Samsung GALAXY Note® 3

ANDROID SMARTPHONE

User Manual

Please read this manual before operating your device and keep it for future reference.

Intellectual Property

All Intellectual Property, as defined below, owned by or which is otherwise the property of Samsung or its respective suppliers relating to the SAMSUNG Phone, including but not limited to, accessories, parts, or software relating there to (the “Phone System”), is proprietary to Samsung and protected under federal laws, state laws, and international treaty provisions. Intellectual Property includes, but is not limited to, inventions (patentable or unpatentable), patents, trade secrets, copyrights, software, computer programs, and related documentation and other works of authorship. You may not infringe or otherwise violate the rights secured by the Intellectual Property. Moreover, you agree that you will not (and will not attempt to) modify, prepare derivative works of, reverse engineer, decompile, disassemble, or otherwise attempt to create source code from the software. No title to or ownership in the Intellectual Property is transferred to you. All applicable rights of the Intellectual Property shall remain with SAMSUNG and its suppliers.

Open Source Software

Some software components of this product, including but not limited to 'PowerTOP' and 'e2fsprogs', incorporate source code covered under GNU General Public License (GPL), GNU Lesser General Public License (LGPL), OpenSSL License, BSD License and other open source licenses. To obtain the source code covered under the open source licenses, please visit:

http://opensource.samsung.com.

Disclaimer of Warranties; Exclusion of Liability

EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED ON THE WARRANTY PAGE ENCLOSED WITH THE PRODUCT, THE PURCHASER TAKES THE PRODUCT "AS IS", AND SAMSUNG MAKES NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE; THE DESIGN, CONDITION OR QUALITY OF THE PRODUCT; THE PERFORMANCE OF THE PRODUCT; THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING

THERETO. NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS OR IMPLIED WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE OR USE OF THE PRODUCT OR ARISING FROM THE BREACH OF THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, OR LOSS OF ANTICIPATED PROFITS OR BENEFITS.

Modification of Software

SAMSUNG IS NOT LIABLE FOR PERFORMANCE ISSUES OR INCOMPATIBILITIES CAUSED BY YOUR EDITING OF REGISTRY SETTINGS, OR YOUR MODIFICATION OF OPERATING SYSTEM SOFTWARE.

USING CUSTOM OPERATING SYSTEM SOFTWARE MAY CAUSE YOUR DEVICE AND APPLICATIONS TO WORK IMPROPERLY. YOUR CARRIER MAY NOT PERMIT USERS TO DOWNLOAD CERTAIN SOFTWARE, SUCH AS CUSTOM OS.

SAFE™ (Samsung For Enterprise)

SAFE™: "SAFE™" (Samsung for Enterprise) is a mark for a Samsung device which has been tested against Samsung's own internal criteria for interoperability with certain third party security-related solutions for MDM and VPN. The testing includes field testing with local network connection and menu tree testing which tests functionality of the solutions in conjunction with the Samsung device. During the testing, the device is tested with the security solutions to see if the solutions work with the device as described by the third party security solution providers. The testing, for example, includes field testing with local network connection and menu tree testing which tests functionality of the solutions in conjunction with the Samsung device. For more information about Samsung's SAFE™ program, please refer to www.samsung.com/us/safe.

Disclaimer of Warranties: EXCEPT AS OTHERWISE PROVIDED IN THEIR STANDARD END USER LICENSE AND WARRANTY, TO THE FULL EXTENT PERMITTED BY LAW SAMSUNG ELECTRONICS CO., LTD., SAMSUNG TELECOMMUNICATIONS AMERICA, LLC, AND THEIR AFFILIATES (COLLECTIVELY REFERRED TO HEREIN AS THE "SAMSUNG ENTITIES") EXPRESSLY DISCLAIM ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, INTEROPERABILITY OR NON-INFRINGEMENT, WITH RESPECT TO INFORMATION TECHNOLOGY SECURITY PROTECTION, SAFE™

DEVICES AND APPLICATIONS TESTED WITH SAFE™ DEVICES. IN NO EVENT SHALL THE SAMSUNG ENTITIES BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES OF ANY KIND WHATSOEVER WITH RESPECT TO INFORMATION TECHNOLOGY SECURITY PROTECTION, SAFE™ DEVICES OR APPLICATIONS TESTED WITH SAFE™ DEVICES. In addition, information technology security protection will be affected by features or functionality associated with, among other things the e-mail platform, master data management, and virtual private network solutions selected by the software provider, solution provider or user. Choice of an e-mail, master data management, and virtual private network solution is at the sole discretion of the software provider, solution provider or user and any associated effect on information technology security protection is solely the responsibility of the software provider, solution provider or user. For complete statement of limited warranty, please refer to www.samsung.com/us/safe, available on the web and where Samsung smartphones and mobile devices are sold. [051214]

Samsung Telecommunications America (STA), LLC

Headquarters:
1301 E. Lookout Drive
Richardson, TX 75082

Phone: 1-800-SAMSUNG (726-7864)
Phone: 1-888-987-HELP (4357)

Internet Address:
www.samsung.com

©2014 Samsung Telecommunications America, LLC. Samsung is a registered trademark of Samsung Electronics Co., Ltd.

Do you have questions about your Samsung Mobile Device?

For 24 hour information and assistance, we offer a new FAQ/ARS System (Automated Response System) at:

www.samsung.com/us/support

The Bluetooth® word mark, figure mark (stylized “B Design”), and combination mark (Bluetooth word mark and “B Design”) are registered trademarks and are wholly owned by the Bluetooth SIG.

Nuance®, VSuite™, T9® Text Input, and the Nuance logo are trademarks or registered trademarks of Nuance Communications, Inc., or its affiliates in the United States and/or other countries.

Swype and the Swype logos are trademarks of Swype, Inc.

microSD™, microSDHC™ and the microSD logo are Trademarks of the SD Card Association.

Wi-Fi®, the Wi-Fi CERTIFIED logo, and the Wi-Fi logo are registered trademarks of the Wi-Fi Alliance.

LTE is a trademark of ETSI.

Google, Google Play and other marks are trademarks of Google, Inc.

©Samsung Telecommunications America, LLC (“Samsung”). Samsung, Super AMOLED, and AllShare are all trademarks of Samsung Electronics Co., Ltd. and/or its related entities. Other company names, product names and marks mentioned herein are the property of their respective owners and may be trademarks or registered trademarks. Appearance of device may vary.

©Verizon Wireless. Verizon Wireless, the Verizon Wireless logos, and Convoy™ are trademarks of Verizon Trademark Services LLC. All company names, trademarks, logos and copyrights not property of Verizon Wireless are the property of their respective owners.

Online Legal Information

The online version of the Health/Safety and Warranty guide for your device can be found at:

English: www.samsung.com/us/Legal/Phone_HSGuide

Spanish: www.samsung.com/us/Legal/Phone_HSGuide_SP

The online version of the End User Licensing Agreement for your device can be found:

Online at: www.samsung.com/us/Legal/SamsungLegal-EULA3.

Table of Contents

Section 1: Getting Started 4
- Understanding this User Manual 4
- Setting Up Your device 6
- Turning the Device On and Off 9
- Setup Wizard 10
- Memory Card 10
- Securing Your Device 11

Section 2: Understanding Your Device 13
- Features 13
- Front View 14
- Side View 16
- Back View 17
- Home Screen 18
- Multi Window 23
- Apps 24
- S Pen 25
- Navigation 29
- Notifications 32
- Status Bar 33
- Entering Text 33

Section 3: Contacts and Accounts 37
- Accounts 37
- Contacts 38
- Speed Dials 49

Section 4: Calling 50
- Making Calls 50
- Multi-party Calling 52
- Answering Calls 53
- Ending a Call 54
- Recent Calls 54
- Call Settings 56

Section 5: Messaging 63
- Types of Messages 63
- Text and Multimedia Messaging 64
- Emergency Alerts 68

Email 68
Gmail 71
Voicemail 72
Google Hangouts 73
Section 6: Applications 74
Accessing the Apps Screen 74
Managing Applications 74
Amazon folder 76
Google folder 77
Samsung folder 80
Tools folder 102
Verizon folder 107
Calendar 109
Camera 112
Clock 133
Contacts 137
Email 137
Emergency Alerts 137
Gallery 138
Help 140
Isis Mobile Wallet 141
Maps 141
Messages 143
Music 143
Phone 149
Play Store 149
S Note 151
Settings 152
Video 152
YouTube 154
Section 7: Connections 155
Wi-Fi 155
Wi-Fi Direct 157
Mobile Hotspot 158
Bluetooth 160
VPN 162
Tethering 162
NFC and Beaming 164
S Beam 164
Nearby devices 165
Connecting to a Computer 166
Memory Card 167

Section 8: Settings 169
Accessing Settings 169
Wireless and network 169
Device 182
Default Applications 196
Personal 196
Accounts 212
System 213
Index 222

Section 1: Getting Started

Understanding this User Manual

The sections of this manual generally follow the features of your device. A robust index for features begins on page 222.

This manual gives navigation instructions according to the default display settings. If you select other settings, navigation steps may be different.

Unless otherwise specified, all instructions in this manual assume that you are starting from the Home screen. To get to the Home screen, you may need to unlock the device. For more information, see *"Securing Your Device"* on page 11.

Note: Instructions in this manual are based on default settings, and may vary from your device, depending on the software version on your device, and any changes to the device's Settings.

Unless stated otherwise, instructions in this User Manual start with the device unlocked, at the Home screen.

All screen images in this manual are simulated. Actual displays may vary, depending on the software version of your device and any changes to the device's Settings.

Special Text

In this manual, you'll find text that is set apart from the rest. These are intended to point out important information, share quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

- **Notes**: Presents alternative options for the current feature or menu.
- **Tips**: Provides quick or innovative methods, or useful shortcuts.
- **Important**: Points out important information about the current feature that could affect performance.
- **Warning**: Brings to your attention important information to prevent loss of data or functionality, or even prevent damage to your device.

Text Conventions

This manual provides condensed information about how to use your device. To make this possible, the following text conventions are used to represent frequently-used steps:

→ Arrows are used to represent the sequence of selecting successive options in procedures. For example:

"From the Home screen, touch **Apps** → **Settings** → **Wi-Fi**."

Many settings use an On/Off switch. Touch the On/Off switch to turn a setting On or Off. This graphic is used to represent the On/Off switch.

Setting Up Your device

If not already installed, install the 4G LTE SIM (Subscriber Identity Module) card, battery, and optional memory card, and then charge the battery to begin using your device.

Back Cover

The battery, SIM card, and optional memory card are installed under a removable cover on the back of the device.

Removing the battery cover

- Pull up using the slot provided, while lifting the cover off the device.

Installing the battery cover

- Align the cover and press it firmly into place, making sure it snaps into place.

Note: The battery cover is flexible. Take care to avoid bending or twisting the cover when removing and installing, to prevent damage to the cover.

SIM Card

Your device uses a 4G LTE SIM (Subscriber Identity Module). The 4G LTE SIM is a small, rectangular plastic card that stores your phone number, information about your wireless service, and other information such as messages.

If you purchased your device at a Verizon Wireless store, the SIM card is activated and ready to use. If you ordered a new device, the card may need to be activated before you can use it. For more information about activating the SIM card, visit:

www.verizonwireless.com/4GSIM.

Caution! Turn the device off before installing or removing the SIM card. Do not bend or scratch the SIM card. Take care when handling, installing, or removing the SIM card, and avoid exposing the SIM card to static electricity, water, or dirt. Keep the SIM card out of reach of small children.

Installing the 4G LTE SIM Card (if not already installed)

- With the Verizon Wireless logo facing up, carefully slide the 4G LTE SIM Card into the slot until it reaches the stop.

Removing the 4G LTE SIM Card

1. Turn off the device, and then remove the back cover.
2. Carefully slide the 4G LTE SIM Card out of the slot.

Battery

Your device is powered by a rechargeable, standard Li-Ion battery. A Wall/USB Charger (Charging Head and USB cable) is included with the device, for charging the battery.

The battery comes partially charged. You must fully charge the battery before using your device for the first time. A fully discharged battery requires up to 4 hours of charge time. After the first charge, you can use the device while charging.

Warning! Use only Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

Battery Indicator

The battery icon in the Status bar shows battery power level. Before the battery becomes too low to operate, the battery icon flashes and a tone plays. If you continue using the device without charging, the device will power off.

Tip: Task Manager provides helpful information about extending battery life. For more information, see *"Task Manager"* on page 74.

Installing and Removing the Battery

Installing the battery

- Insert the battery into the device, aligning the gold contacts on the battery with the gold contacts in the device.

Removing the Battery

- Lift the battery up and out of the device, using the slot provided.

Charging the Battery

Your device comes with a Wall/USB Charger (charging head and USB cable) to charge your device from any 110/220 VAC outlet.

Note: The battery comes partially charged. You must fully charge the battery before using your device for the first time. A fully discharged battery requires up to 4 hours of charge time. After the first charge, you can use the device while charging.

1. Insert the USB cable into the port.

2. Connect the USB cable to the charging head, and then plug the charging head into a standard AC power outlet.
3. When charging is complete, unplug the charging head from the power outlet and remove the USB cable from the device.

Turning the Device On and Off

Turning the Device On

- Press and hold the **Power/Lock Key** until the device vibrates and starts up.

Turning the Device Off

1. Press and hold the **Power/Lock Key** until the device vibrates and the Device Options menu displays.
2. At the prompt, tap **Power off**.

Setup Wizard

The first time you turn your device on, Setup Wizard will guide you through the basics of setting up your device.

Follow the prompts to choose a default language, set up accounts, choose location services, and learn more about your device.

You can also use the Setup Wizard to quickly configure your device at any time.

- From any unlocked screen, press the **Home Key**, and then touch **Apps** ➔ **Verizon** ➔ **Setup Wizard**.

Memory Card

Your device supports optional, removable, microSD™ or microSDHC™ memory cards of up to 64GB capacity (not included), for storage of music, pictures, and other files.

For more information about using memory cards, see *"Memory Card"* on page 167.

Installing a Memory Card

1. Remove the back cover.
2. With the gold contacts facing down, slide the memory card into the slot, pushing gently until it locks into place.
3. Replace the back cover.

Removing a Memory Card

Important! To prevent damage to data stored on the memory card, unmount the card before removing it from the device.

1. From any unlocked screen, press the **Home Key**, and then touch **Menu** ➔ **Settings** ➔ **Storage** ➔ **Unmount SD card**.
2. At the prompt, read the warning and select **OK** to continue. Wait for **SD card safe to remove** to appear in the Status bar and Notification panel.
3. Remove the back cover.
4. Gently press on the memory card to release the lock, and then carefully pull the card out.
5. Replace the back cover.

Securing Your Device

Use your device's screen lock features to secure your device.

To set a personal screen lock, use the Screen lock option under Security settings. For more information, see *"Screen lock"* on page 198.

For other settings related to securing your device, see *"Security"* on page 201.

Locking the Device

- By default, the device locks automatically when the screen times out.

  – or –

  Press the **Power/Lock Key**.

Tip: When the device is locked, the Emergency call feature is available on the lock screen, allowing you to make emergency calls even while the device is locked.

Unlocking the Device

Unlock the device using one of the default unlock screens, or use Screen lock options for increased security.

- Press the **Power/Lock Key**, and then touch and drag your finger across the screen.

Tip: Special notification icons display for missed calls or new messages. Drag a missed call or message icon to view the message or call log.

Section 2: Understanding Your Device

Features

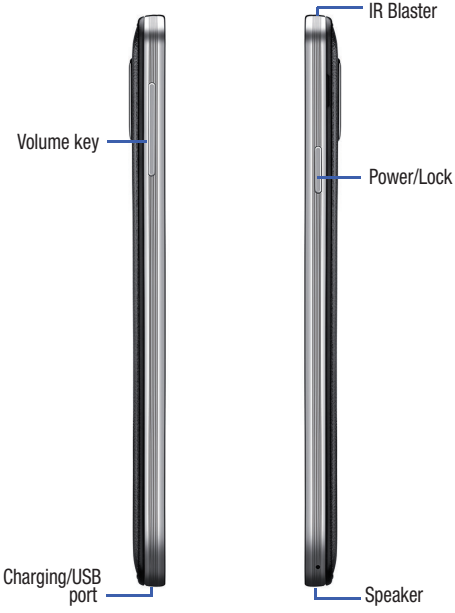
- Touch screen with virtual (onscreen) QWERTY keyboard
- Brilliant 5.7" HD Super AMOLED® screen (1920 x 1080)
- 2.3 gigahertz quad-core processor
- Delivering data speeds faster than the current 3G network technology by using 4G LTE and High Speed Packet Access Plus (HSPA+).
- Android 4.4, KitKat Platform
- USB 3.0 connector for fast transfer speeds
- Smart Switch™ compliant. For more information, see www.samsungsmartswitch.com
- Support for Air View® and Air Gestures®.
- S Pen functionality
- Wi-Fi ® Capability
- WatchON® – Rich TV experience with Infrared (IR) remote
- Apps available to download from the Google Play™ Store and Samsung Apps
- Access Movies, TV Shows, Music, Games, and Books with Samsung Hub™
- Samsung Link™ to share your media content across connected devices. Cloud connectivity is achieved using an external Web storage service
- Compliant with Samsung Link®
- 13 Megapixel Camera and Camcorder with auto focus and digital zoom 10X
- 2 Megapixel Front Facing camera for Video Chat
- Share Shot picture sharing functionality, Camera sharing over multi-connect Wi-Fi Direct connection
- S-Beam file transfer technology
- Bluetooth enabled
- NFC-compatible
- Galaxy Gear™ compliant. For more information, please visit: www.samsung.com/us/galaxygearsupport
- Full Integration of Google Mobile™ Services (Gmail, YouTube, Google Maps, Google Voice Search)

- Multiple Messaging Options: Text/Picture/Video Messaging and Google Hangouts™
- Corporate and Personal Email
- Music Player with multitasking features
- Pre-loaded e-reader applications such as Play Books™
- Assisted GPS (Google Navigation)
- Webkit-based browser
- Expandable memory slot— supports up to 64GB microSD
- Mobile HotSpot and USB Tethering-capability
- Video Chat using Google Hangouts
- Google Play™ Music
- Wi-Fi ® Calling using a micro SIM card
- HD Video Player 1080p
  – Codec: MPEG4, H.264, H.263, VC-1, WMV7/8, VP8, MP43
  – Format: 3GP (MP4), WMV (ASF), and AVI
- Video Player support for PIP (Picture in Picture) viewing

Front View

1. **LED indicator** illuminates with a series of distinct colors and flashing patterns to indicate different notifications and statuses. Events include Charging, Low battery, and Missed event:
   - Powering on: **blue** blinks/animates
   - Battery Charging: **red** remains on
   - Battery Fully Charged: **green** remains on
   - Low Battery or Charging Error: **red** blinks/animates
   - Missed Notification (Call or Messaging): **blue** blinks/animates
2. **Earpiece** allows you to hear ringers, music, and other sounds offered by your device.
3. **Light Sensor** lets you use the ambient light level to adjust the screen brightness/contrast. This sensor decreases screen brightness in dim light.
   Proximity Sensor detects how close an object is to the surface of the screen. This is typically used to detect when your face is pressed up against the screen, such as during a phone call.
   - In a bright light condition (outdoors), the sensors cause the device to increase the brightness and contrast for better viewing.
   - In dim light conditions, the device decreases the screen brightness to compensate.
4. **Menu key** displays a list of options available for the current screen. From the Home screen it displays Add apps and widgets, Create folder, Set wallpaper, Edit page, Search, and Settings options.
5. **Home key** displays the Home screen when pressed. Press and hold to display your recent apps, Task manager, and Remove all option. Double-press to activate S Voice.
6. **Back key** re-displays the previous screen or clears entries.
7. **Display** shows all the information needed to operate your phone, such as the connection status, received signal strength, phone battery level, and time.
8. **Camera** allows you to take pictures while facing the screen and allows you to video conference.

Side View



1. **Volume**: From the Home screen, press to adjust master volume. During calls or media playback, press to adjust volume. Press to mute the ringtone of an incoming call.
2. **USB Power/Accessory connector** allows you to connect a power cable or optional accessories such as a USB/data cable.
3. **IR Blaster**: Emits infrared signals used for controlling external devices.
4. **Power/Lock**: Press and hold to turn the device on or off, and to access a device options menu. Press to lock the device, or to wake the screen for unlocking.

Back View

1. **Flash** allows you to take photos in low-light conditions.
2. **Camera** allows you to take photos and record videos.
3. **3.5 mm Headset/headphone jack** allows you to hear ringers, music, and other sounds.
4. **Microphones** are used during phone calls and allow other callers to hear you clearly when you are speaking to them. There are two microphones on the device:
   - Bottom microphone: used during handset mode.
   - Side microphone: used while an active call is in the speakerphone mode and assists in noise cancellation (2 microphone solution).
5. **Speaker** allows you to hear ringers, music, and other sounds.
6. **S Pen** allows you to select items in screens, handwrite entries, and draw and edit images. S Pen also allows you to use S Pen only functions. For more information, refer to *"S Pen"* on page 25.

Home Screen

The Home screen is the starting point for using your device.

1. **Status bar**: Presents icons to show network status, battery power, and connection details. For a list of icons, see *"Status Bar"* on page 33.
2. **Widgets**: Apps that run on the Home screen. The widgets shown are found on the Home screen by default, and you can add your favorites. For more information, see *"Add Widgets to the Home screen"* on page 21.
3. **Shortcuts**: Shortcuts to apps.These shortcuts are found on the Home screen by default, and you can add more shortcuts to your favorite apps. For more information, see *"Add Shortcuts to the Home Screen"* on page 20.

Extended Home Screen

The Home screen consists of the Home panel, plus panels that extend beyond the display width to provide more space for adding shortcuts, widgets and folders.

Slide your finger horizontally across the screen to scroll to the left or right side panels. As you scroll, the indicator at the bottom of the display shows your current position.

Adding and removing Home screen panels

Your device comes with six Home screen panels. You can customize the Home screen to include up to the seven default panels.

1. From the Home screen, touch **Menu** ➔ **Edit page**.
2. Slide your finger across the screen to scroll the panels, and use these controls to configure panels:

   Remove: Touch and hold on a panel, and then drag it to **Remove**.

   Add: Touch a previously-removed panel to add it, up to the default total of seven.

   Set as Home: The panel set as Home will display when you press the **Home Key**.

Tip: You can also “pinch” the Home screen to display Edit page options. For more information, refer to *“Pinch”* on page 30.

Customizing the Home Screen

Customize the Home screen to suit your preferences.

For information about changing your phone's screen settings, see *"Display"* on page 188.

Edit the Primary Shortcuts

Primary Shortcuts appear at the bottom of the display. You can edit the Primary Shortcuts, except for **Apps**.

Add or remove shortcuts

- Touch and hold a shortcut, and then drag it from the Primary Shortcuts to the Home screen, or from the Home screen to the Primary Shortcuts.

Remove shortcuts

- Touch and hold the shortcut until **Remove** appears, and then drag the shortcut to the **Remove** icon.

Add Shortcuts to the Home Screen

Use App shortcuts for quick access to applications from the Home screen. Your device comes with app shortcuts already placed on the Home screen, and you can add your favorites.

Add shortcuts from the Home screen

1. Navigate to a Home screen panel, and then touch and hold on the screen to display the **Add to Home screen** menu.
2. Touch **Apps and widgets**.
3. Touch and hold an app to add it to the Home screen.

Add Shortcuts from Apps

1. Navigate to a Home screen panel.
2. Touch **Apps**.
3. Touch and hold an app to add it to the Home screen.

Remove Shortcuts

- Touch and hold the shortcut until **Remove** appears, and then drag the shortcut to the Remove icon.

Add Widgets to the Home screen

Widgets are self-contained applications that you can place on the Home screen for quick access.

Add widgets from the Home screen menu

1. Navigate to a Home screen panel.
2. Touch and hold on the screen to display the **Home screen** menu.
3. Touch **Apps and widgets**.
4. Touch the **Widgets** tab, and then touch and hold and drag it to the Home screen.

Add Shortcuts from Widgets

1. Navigate to a Home screen panel.
2. Touch **Apps**, and then touch the **Widgets** tab.
3. Touch a widget, and then follow the prompts to configure the widget and place it on the Home screen.

Remove Widgets

- Touch and hold the widget until **Remove** appears, and then drag the widget to the Remove icon.

Add Folders to the Home screen

Place folders on the Home screen to organize items.

Add Folders

1. Navigate to a Home screen panel, and then touch and hold on the screen to display the **Home screen** menu
2. Touch **Folder**. The folder displays on the Home screen. Touch the folder to name it.

Remove Folders

- Touch and hold the folder until **Remove** appears, and then drag the folder to the Remove icon.

Wallpaper

Choose a picture to display in the background of the Home screen. You can choose pre-loaded wallpaper images, or select a picture you've taken with the camera or downloaded.

1. From the Home screen, touch and hold on the screen to display the **Home screen** menu, and then select **Set wallpaper**.
2. Choose **Home screen**, **Lock screen**, or **Home and lock screens**.
3. Choose a source:
   - **Gallery**: Choose a picture stored on your device or on an optional installed memory card. Touch a picture to select it, and then use the crop tool to resize the picture, if desired. Touch **Done** to set the picture as wallpaper.
   - **Live wallpapers**: Choose from pre-loaded interactive moving wallpapers. Touch a wallpaper, and then touch **Set wallpaper**.
   - **Wallpaper**: Choose from pre-loaded wallpaper images. Touch a wallpaper, and then touch **Set wallpaper**.

Note: You can also set Wallpaper in Settings. For more information, see *"Wallpaper"* on page 188.

Multi Window

Multi window allows you to use multiple apps on the same screen in multiple, re-sizable windows.

Enable Multi Window

Enable Multi window on the Notifications screen.

1. Sweep your finger down from the top of the screen to display Notifications.
2. Touch **Quick Settings** at the top of Notifications.
3. Touch **Multi window** to enable it.

Display Multi Window

When Multi window is enabled, the tab appears on the left side of the screen by default. You can show or hide the tab.

- Touch and hold the **Back Key**.

Move the Multi Window Tab

When Multi window is enabled, its tab displays on the edge of the screen where it's docked. You can move the Multi window tab up or down on the edge of the screen.

- Touch and hold on the tab, and then drag it up or down along the edge of the screen.

Move Multi Window

By default, Multi window is docked on the left side of the screen. You can dock the Multi window at either side of the screen.

- Touch the tab to open Multi window (the tab turns gray), and then drag Multi window to another edge of the screen.

Use Multi Window to Run Multiple Apps

You can launch apps from Multi window, or drag an app to the screen to run multiple apps at the same time.

The apps display together on a split screen. You can switch between the apps, or adjust the size of their display on the screen.

Launch Multiple Apps

When you drag an app from Multi window on top of an open app, both apps display in a split window.

1. While using one app, touch the tab to display Multi window, and then touch and drag an app to the screen.
2. As you drag the app over the screen, a blue screen displays. Release the app when the blue screen displays where you want to place the app.

Adjust the Size of App Windows

You can adjust the size of the two apps on the screen.

- Touch and drag the border between the windows.

Window Controls

Select an application window and touch .

Window controls display:

Open a recent app in Multi window.

Switch locations between Multi window applications.

Drag text or images between certain apps.

Maximize the application.

Close the application.

Apps

Apps holds all applications installed on your device. Applications that you download and install are also added to Apps.

The Apps screen is like the Home screen, it consists of panels that extend beyond the display width to provide more space. Slide your finger horizontally across the screen to scroll to the left or right side panels. As you scroll, the indicator at the bottom of the display shows your current position.

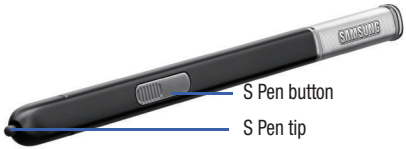
For more information about applications, see *"Applications"* on page 74.

You can place shortcuts to apps on the Home screen, for quick access to the app. For more information, see *"Add Shortcuts to the Home Screen"* on page 20.

1. From the Home screen, touch **Apps**.
2. Slide your finger left or right to scroll the Apps screens.
3. Touch an icon to launch the application.

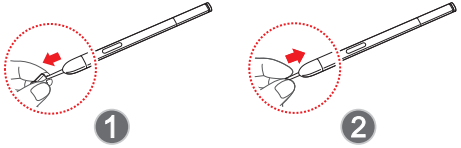
S Pen

The S Pen is a stylus that assists you in performing different functions. By using the Pen button, you can minimize having to switch between touch and pen input.



Replace the S Pen tip

1. Use tweezers (not included) to pull out the S Pen tip (1).
2. Insert the new pen tip on the top of the S Pen and press until it clicks in place (2).



Remove S Pen

S Pen stores inside your device, for convenient access.

- Slide S Pen from your device using the notch on the end of the S Pen.

Tip: For information on configuring S Pen settings, including options for sounds and for tracking S Pen when it's not stored in your device, see *"S Pen"* on page 215.

Easy Clip

Instantly outline and crop images on the screen, in any shape, to share or paste. You can edit the cropped content, or personalize it with your own handwriting.

Use Easy Clip

1. Press and hold the S Pen button, and then draw around the image you want to clip, making sure to close the shape.
2. Tap the app you want to paste the image into, or if you do nothing, the image is pasted to Clipboard.

Air View

Hover S Pen over the screen to preview content, or view information about an item on the screen. For example:

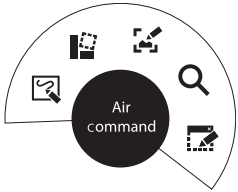
- Hover over an email in a list to preview the message before opening it.
- Hover over a photo album to preview the contents, or see a picture enlarged.
- Hover over the time line during video playback to preview and navigate to specific scenes.
- In Calendar, hover over dates and events to see details.
- Hover over an icon or screen button to view the item's title.

For more information about Air View, see *"Motions and gestures"* on page 213.

Air command

Air command allows you to quickly activate frequently used applications or perform actions.

- To launch the Air command menu, simply remove the S Pen from the S Pen slot, hold the S Pen near the screen, and press the S Pen button.



- **Action Memo**: Link short notes to applications.
- **Scrap booker**: Capture, save and categorize clipped images.
- **Screen Write**: Capture screenshots and write or draw on them.
- **S Finder**: Search device contents.
- **Pen Window**: Outline a window on the screen to quickly access selected applications.

Idea Sketch

Express your ideas with an image. Add illustrations by handwriting keywords on the Idea Sketch pad.

Use Idea Sketch

1. From the Home screen, touch **Apps** ➔ **S Note**.
2. From the toolbar, select the **Insert** tool, and then choose Idea Sketch from the menu.
3. Write a search term for something you want to draw or insert into your S Note.

   – or –

   Choose a **Category**.

   S Note displays images matching your search term.
4. Select an image to insert it into your S Note.

   You can edit the image, or draw on it, and changes are saved in your S Note.

Photo Notes

Handwrite a note on the back of pictures to add detail to your memories.

Add a Photo Note

1. From the Home screen, touch **Apps** ➔ **Gallery**.
2. Select a picture, and then select **Menu** ➔ **Photo note**.
3. Use S Pen to write a note on the back of the picture, and then select **Done** to save the note with the picture.

Note: Photo notes are saved with the picture on your device, but are not transferred when you share the picture.

Pop-up Note

Multi-task with Pop-up Note—open an S Note instantly in a pop-up window to jot down a quick note during a meeting, or write down information from another area of the screen.

To use Pop-up Note:

1. From any screen, press and hold the S Pen button and double-tap on the screen.
2. Use S Pen to write your note, and then save it for later. You can move the pop-up window around the screen.

Pop-up Video

Multi-task with Pop-up Video—transform your video player into a pop-up window floating on the screen. The video will continue to play, and the pop-up window can be resized or moved anywhere on the screen.

Use Pop-up Video

- While watching a video, touch the **Pop-up Video** icon in the lower right corner of the screen.

Pop-up Browser

Multi-task with Pop-up Browser—Launch a new, floating browser window by selecting a web link from any application.

Launch Pop-up Browser

- In any app, touch a web link, and then choose **Pop-up Browser** from the menu.

Other S Pen gestures

You can perform other functions with S Pen.

- **Go back**: Press and hold the S Pen button, and then draw on the screen.
- **Open menu**: Press and hold the S Pen button, and then draw on the screen.
- **Screen capture**: Press and hold the S Pen button, and then touch and hold S Pen on the screen.
- **Select text**: Press and hold the S Pen button, and then touch and drag S Pen over the text to select.

Navigation

Navigate your device's features using the command keys and the touch screen.

Warning! Please note that a touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty.

Context-sensitive Menus

While using your device, context-sensitive menus offer options for the feature or screen.

Access context-sensitive menus

- Touch **Menu**.

  – or –

- Touch and hold on an item.

Finger Gestures

Touch

Touch items to select or launch them. For example:

- Touch the onscreen keyboard to enter characters or text.
- Touch an item to select it.
- Touch an app's icon to launch the application.

Touch and Hold

Activate items by a touch and hold gesture. For example:

- Touch and hold a widget on the Home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Swipe

Swipe your finger across the screen. For example:

- Swipe your finger across the screen to unlock the screen.
- Swipe your finger across the screen to scroll a Home screen or a menu.
- Swipe your finger across the screen to drag an item.

Pinch

Using two fingers, make a pinch motion on the screen.

For example:

- Pinch in to zoom in on pictures or screens.
- Pinch out to zoom out on pictures or screens.

Hand Gestures

Your device recognizes motion, allowing you to navigate and access features by moving the device in specific gestures.

To use gestures, enable the Motion settings. For more information, see *"Motions and gestures"* on page 213.

Pick Up or Turn Over

Lift the device, or place the device screen-down, on a horizontal surface, such as a table.

- **Direct call**: Lift the device to your ear to call a displayed contact in Messaging, Contacts, or Recent calls to dial the contact's device number.
- **Smart alert**: The device will automatically notify you to missed calls and alerts that occurred while the device was stationary.

- **Turn over to mute/pause**: Turning the device screen-down automatically mutes incoming call ringtones and alerts sounds.

Tilt

Touch and hold with your thumbs on the screen, and then tilt the device forward and back to zoom in or out.

- **Tilt to zoom**: Tilting the device while in Gallery or Internet causes the screen to zoom in or out.

Pan

Touch and hold on the screen, and then move the device in a side-to-side motion.

- **Pan to move icon**: Moving the device in a panning motion (side-to-side) moves a highlighted icon to a new location on the Home screen.
- **Pan to browse images**: Moving the device in a panning motion while viewing an image moves focus around in the image.

Palm

Use your hand to swipe across the screen, or cover the screen.

- **Palm swipe to capture**: Swiping the screen with the side of your hand (left to right, or right to left) captures a screen shot.
- **Palm touch to mute/pause**: Covering the screen with your hand mutes or pauses media playback.

Notifications

Notifications shows information about connections, alerts and other items.

1. Touch and drag downward from the top of the screen to display notifications.
2. Touch an item to open the item, or to launch the related app or feature.

World Clock

While displaying Notifications, touch the time in the Status bar to display a World clock. Add cities to the clock to display the time in different zones around the world.

Clearing Notifications

1. Sweep your finger downward from the top of the screen to display Notifications.
2. Touch a notification to clear it, or touch **Clear** to clear all notifications.

Quick Settings

Use Quick Settings at the top of Notifications to control popular settings. Slide your finger right and left to see all the icons.

- **Wi-Fi**: Turn Wi-Fi On or Off. See *"Wi-Fi"* on page 170.
- **GPS**: Turn Standalone GPS services on or off. See *"Location"* on page 196.
- **Sound**: Switch between your sound settings, Mute (all sounds silenced) and Vibrate (all sounds replaced by vibration).
- **Screen rotation**: Enable or disable the Auto rotation setting, to control whether the screen automatically updates when you rotate the device. See *"Auto-rotate screen"* on page 190.
- **Bluetooth**: Turn Bluetooth On or Off. See *"Bluetooth"* on page 160.
- **Smart stay**: Enable or disable keeping the screen active while you are looking at it. See *"Smart screen"* on page 192.
- **Airplane mode**: Turn Airplane mode On or Off. See *"Airplane mode"* on page 169.

- **Power saving**: Enable or disable Power saving mode. See *"Power saving mode"* on page 194.
- **Hands-free mode**: Enable or disable Hands-free mode, to have incoming caller ID and text messages read out. See *"Hands-free mode"* on page 183.
- **Screen Mirroring**: Enable or disable Screen Mirroring, to wirelessly share your phone's screen with Wi-Fi-enabled TVs. See *"Screen Mirroring"* on page 181.

Status Bar

The Status bar shows network and battery status icons and other details.

For a list of the available icons:

1. From the Home screen, tap **Apps** ➔ **Settings**.
2. Repeatedly swipe upward on the screen to scroll down to **System**.
3. Under **System**, tap **About phone** ➔ **Icon glossary**.

Entering Text

Your device uses a virtual QWERTY keyboard for text entry. Use the keyboard to enter letters, punctuation, numbers, and other characters into text entry fields or applications. Access the keyboard by touching any text entry field.

You can also use voice input to speak your inputs.

The virtual QWERTY keyboard displays at the bottom of the screen. By default, when you rotate the device, the screen orientation updates to display the keyboard at the bottom of the screen.

Text Input Methods

Your device offers three text input methods: Google voice typing, Samsung keyboard, and Swype.

You can set a default text entry method in Settings. For more information, see *"Keyboards and input methods"* on page 205.

To choose a text input method at any time:

- While entering text, touch and drag downward from the top of the screen to display Notifications, and then touch **Choose input method**.

Using Samsung Keyboard

The Samsung keyboard is a custom virtual QWERTY keyboard, featuring optional predictive text. Input characters by tapping the onscreen keys with your finger, or use speech recognition.

You can enable predictive text, to have the Samsung keyboard match your key touches to common words and displays them. Select a word from the display to insert it into your text.

Configuring Samsung keyboard

Configure the Samsung keyboard to your preferences.

- For more information, see *"Samsung keyboard"* on page 206.
- While entering text, touch , and then select from the pop-up menu.

Entering Upper and Lower Case Letters

The default case is lower case (abc). Enter upper and lower case alphabet letters by touching the Shift key to toggle the case, before touching the letter key(s).

- Touch once to switch from abc to Abc mode
- Touch and hold to switch to ABC mode

Entering Symbols and Numbers

To enter common symbols, touch 123 Sym to switch to symbol mode, and then touch the corresponding key.

To enter less-common symbols, touch 123 Sym ➔ 123 Sym, and then touch the corresponding key.

To enter numbers, touch 123 Sym, and then touch the number keys.

Using Google Voice Typing from the Samsung keyboard

When you enable the Voice input setting for Samsung keyboard, you can access Google Voice Typing from the Samsung keyboard.

For more information about enabling Voice input, see *"Samsung keyboard"* on page 206.

- Touch , and then speak your input.

Using Predictive text

When using Predictive text, you can have next-letter prediction and regional error correction, which compensates for pressing the wrong keys on the QWERTY keyboard.

- While entering characters, potential word matches display in the Predictive text area above the keyboard. Touch a word to insert it into your text.

Using Google Voice Typing

Use your voice to enter text using the Google Voice typing feature.

1. While entering text, touch and drag downward from the top of the screen to display Notifications, and then touch **Select input method ➔ Google voice typing**.
2. At the **Listening** prompt, speak your text. As you speak, the text is displayed in the text field.

Entering Text using Swype

Swype is a new way to enter text on touch screens. Instead of touching each key individually, use your finger to trace over the letters of a word. For each word, place your finger on the first letter and glide to the subsequent letters, lifting on the last letter.

Swype Help

While entering text, you can get information about Swype.

- Touch and hold **Swype** to access Settings, for the **How to Swype** tutorial.

Configuring Swype

Configure Swype options in the Language and input settings.

- While entering text, touch and hold **Swype**.
- For more information about Swype settings, see *"Swype"* on page 208.

Using the Numeric Keyboard

Switch to a Numeric Keyboard, to quickly enter numbers and mathematical operators.

- Touch 123 +!=.

Entering Symbols and Numbers

Using the Swype Keyboard:

- Touch and hold on a key to enter the character at the top of the key.
- Touch and hold on a key until a menu of all characters available on that key appears, and then touch a character to enter it.
- Touch 123 +!= to switch to Symbol mode, and then touch a key.

Editing Keyboard

The Editing Keyboard provides a quick way to move the cursor and highlight text. If the application in which you are working supports editing, you can cut, copy or paste highlighted text.

- Swype from **Swype** to 123 +!=.

Using Swype Voice Input

Enter text by speaking. Swype recognizes your speech and enters text for you.

- Touch **Voice Input**. At the prompt, speak the text you want to enter.

Section 3: Contacts and Accounts

Accounts

Your device provides the ability to synchronize information, from a variety of accounts, including Email, Facebook, Google, and your Samsung account. Depending on the account, you can choose to synchronize your calendar, contacts, and other types of content.

Contacts from your accounts appear in your device's Contacts.

With synchronization, you can ensure that information on your device is updated with any information that changes in your accounts.

Setting Up Your Accounts

Set up and manage your accounts with the Accounts settings.

For information about setting up other, non-synchronized email accounts, see *"Setting Up Email Accounts"* on page 68.

Tip: For more information on setting up your email, visit the Smartphone Resource Center at: http://smartphones.verizonwireless.com

Addan account

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **Add account**.
2. Select an account provider, and then follow the prompts to enter your credentials and sign in.
3. The device communicates with the provider's server to set up your account on the device.

Manage accounts

1. From the Home screen, touch **Apps** ➔ **Settings**.
2. Select an account, and then touch a setting to enable or disable synchronization. When enabled, a check mark appears in the check box.

Contacts

Use Contacts to store information for your friends, family and colleagues, to make contacting them easy.

Access Contacts

- From the Home screen, touch **Contacts**.

Contact tip:

- Swipe your finger left-to-right across a contact to make a call to the contact.
- Swipe right-to-left across a contact to create a message addressed to the contact.

Creating Contacts

1. From the Home screen, touch **Contacts** ➔ **Create contact**.
2. At the **Save contact to** prompt, select a save option for the contact (options depend on accounts set up):
   - **Device**: Save to the phone's Contacts.
   - **Google**: Save to your Google account.
   - **Corporate**: Save to your Corporate account.
3. Touch contact fields to enter information:
   - Touch **Photo ID** to choose a picture to identify the contact.
   - Touch **Name** to enter a name for the contact. Touch to enter **Name prefix**, **First name**, **Middle name**, **Last name,** or **Name suffix**.
   - Touch **Phone number** to enter a phone number, and then touch the **Label** button to choose a label, from **Mobile**, **Home**, **Work**, **Work Fax**, **Home Fax**, **Pager**, **Other**, **Callback**, or **Custom**. To add another number, touch .

- Touch **Email address** to enter an email address, and then touch the **Label** button to choose a label, from **Home**, **Work**, **Other**, or **Custom** to create a new label. To add an address, touch ⊕.
- Touch **Groups** to assign the contact to a group. For more information about Groups, see *"Groups"* on page 46.
- Touch **Ringtone** to choose a ringtone for the contact.
- Touch **Message alert** to choose a tone to alert you to messages from this Contact.
- Touch **Vibration pattern** to choose a vibration pattern to play along with the ringtone when this contact calls or sends you a message.
- Touch **Add another field** to add more fields, including **Phonetic Name**, **Organization**, **IM**, **Address**, **Notes**, **Nickname**, **Website**, **Events**, or **Relationship**.

4. When you finish entering information, touch **Save**.

Creating Contacts from Recent calls

Save a phone number from a recent call to create a new contact, or update an existing contact.

For more information, see *"Creating or Updating Contacts Using Recent calls"* on page 55.

Creating Contacts from the Phone Keypad

Enter a phone number with the Phone Keypad, and then save it.

1. From the Home screen, touch **Phone**.
2. Touch the digits of the phone number on the **Keypad**.
3. Touch **Add to Contacts**, and then select **Create contact** from the pop-up menu.
4. Continue entering contact information. For more information, see *"Creating Contacts"* on page 38.

Tip: While entering a phone number, you can add waits or pauses. Enter the number up to the pause or wait, and then touch **Menu** to select **Add 2 sec pause** or **Add wait**.

Creating Contacts from Business cards

From your Contacts list, you can quickly and easily capture the information on a business card and save it to a new Contact entry and to your Business cards list.

1. From the Home screen, tap **Contacts** ➔ **Menu** ➔ **Business cards**. The **Business cards** screen displays, showing images of the business cards you have captured.
2. To capture a new business card, tap **Capture**. The Camera view finder screen displays.
3. Move your phone until the business card image fills the area within the guidelines, and then tap **Take**. The new Contact entry screen displays with information from the business card populating the Contact information fields.
4. Review the Contact information and make any needed corrections or changes, and then tap **Save**. The saved Contact entry screen appears with an image of the business card as the Contact photo ID.
5. To return to the **Business cards** screen, tap **Back**.

Updating Contacts

Make changes to update an existing contact.

1. From the Home screen, touch **Contacts**.
2. Touch a contact to view its information, and then touch **Edit**.

   – or –

   Touch and hold a contact, and then select **Edit** from the menu.
3. Continue entering contact information. For more information, see *"Creating Contacts"* on page 38.

Updating Contacts from the Phone Keypad

Enter a phone number with the Phone Keypad, and then save it.

1. From the Home screen, touch **Phone**.
2. Touch the digits of the phone number on the **Keypad**.
3. Touch **Add to Contacts**, and then select **Update existing** from the pop-up menu.

4. Select a contact to update, and then continue entering contact information. For more information, see *"Creating Contacts"* on page 38.

Updating Contacts from Recent calls

Save a phone number from a recent call to create a new contact, or update an existing contact.

For more information, see *"Creating or Updating Contacts Using Recent calls"* on page 55.

Choosing Contacts to Display

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**, and then touch **Contacts to display**:
   - Choose **All contacts** to show all contacts.
   - Choose an account to only display contacts from that account.
   - Touch **Device** to show only show contacts saved to the phone.
   - Touch **SIM** to show only contacts saved to the SIM card.
   - Choose **Customized list** to select contact types for each account, or the phone.

Contacts Settings

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**, and then touch **Settings**:
   - Select **Only contacts with phones** to show contacts with at least one stored phone number.
   - Touch **List by** to sort contacts by first or last name.
   - Touch **Display contacts by** to list contacts by first or last name.
   - Touch **Service numbers** to view and call customer service for your service provider.
   - Touch **Contact sharing settings** to set your preferences for transferring contacts by Bluetooth. You can choose to send all namecards at once, or individually. For more information about sending contacts, see *"Sending Namecards (vCards)"* on page 45.

Other Contacts Options

1. From the Home screen, touch **Contacts**.
2. Touch a contact to display it, and then touch **Menu**:
   - **History**: View calls and messages to and from this contact.
   - **Edit**: Modify contact information.
   - **Delete**: Erase the contact record.
   - **Link contact/Separate contact**: Manage multiple contacts as one. For information, see *"Linking Contacts"* on page 44.
   - **Mark as default**: Set a default phone number or other field (such as IM or email address). Defaults are the contact method used when creating a message or calling a contact. You can also set a default by touching and holding on a contact field.
   - **Share namecard via**: Send one or more selected contacts as namecards. For information, see *"Sending Namecards (vCards)"* on page 45.

- **Add to reject list**: Mark the contact so that calls or messages from the contact are rejected automatically. To remove a contact form the reject list, touch and hold on the contact in the main contacts screen, and then choose **Remove from reject list**.
- **Place to home screen**: Add a shortcut icon to a Home screen to provide direct access to this contact.

My Local Profile

My local profile is your own contact record, listed under ME in Contacts. You can send My local profile as a vCard over a Bluetooth connection or as an attachment to a message.

Creating My Local Profile

1. From the Home screen, touch **Contacts**.
2. At the top of the **Contacts** list, touch **Set up profile**, and then enter your information in the contact fields. For more information, see *"Creating Contacts"* on page 38.

Sending My Local Profile

You can send your profile as a vCard over a Bluetooth connection or as an attachment to a message.

1. From the Home screen, touch **Contacts**.
2. Under **ME**, touch your profile to display your contact information.
3. Touch **Menu**, and then touch **Share namecard via**.
4. Choose a sending method, and then follow the prompts to send the profile.

Linking Contacts

Your device can synchronize with multiple accounts, including Google, Corporate, and other providers, plus social networking sites like Facebook. When you synchronize contacts from these accounts with your device, you may have multiple contacts for one person.

Linking contact records allows you to see all the contact's numbers and addresses together. Linking also helps you keep your contacts updated, because any changes to information in the respective accounts is automatically updated the next time you synchronize with the account.

Linking contacts

1. From the Home screen, touch **Contacts**.
2. Touch and hold on a contact, and then select **Link contact**.
3. Select a contact to join to the selected contact.

Separating contacts

1. From the Home screen, touch **Contacts**.
2. Touch a contact to display its information.
3. Under the **Connection** heading, phone icons show how many contacts are linked to this one. Touch to display the linked contacts.
4. Touch next to a contact to remove it from the **Linked contact** list.

Exporting and Importing Contacts

You can export your contact list to and from USB storage (your device's memory), or an installed memory card. Contacts are exported and imported as a special VCF file, and contacts are sent as vCards.

1. From the Home screen, touch **Contacts**.

2. Touch **Menu**, and then touch **Share namecard via**. For more information, see *"Sending Namecards (vCards)"* on page 45.

   – or –

   Touch **Import/Export**, and then select an option:

   - **Import from USB storage**: Copy contacts that are saved in device memory.
   - **Export to USB storage**: Copy contacts to device memory.
   - **Import from SD card**: Copy contacts from an optional installed memory card (not included).
   - **Export to SD card**: Copy contacts to an installed memory card (not included).
   - **Import from SIM card**: Copy contacts that are saved from the SIM card to device memory.

3. Follow the prompts to complete the operation.

Sending Namecards (vCards)

You can send a contact namecard as a vCards using a Bluetooth connection to other Bluetooth devices, or as an attachment to a Gmail or Email message.

Important! Not all Bluetooth devices will accept contacts, and not all devices support transfers of multiple contacts. Check the target device's documentation.

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**, and then touch **Import/Export** ➔ **Share namecard via**.
3. Touch contacts to mark them for sending, or touch **Select all** to mark all contacts. A check mark appears in the check box for marked contacts.
4. Touch **Done**. At the prompt, choose a sending method, and then follow the prompts to send the namecard:
   - **Bluetooth**: For more information about sending using Bluetooth, see *"Bluetooth"* on page 160.
   - **Email**: For more information about sending email, see *"Email"* on page 68.

- **Gmail**: For more information about sending Gmail, see *"Composing and Sending Gmail"* on page 71.
- **Messages**: For more information about sending messages, see *"Creating and Sending Messages"* on page 64.
- **Drive**: For more information, refer to *"Drive"* on page 80.
- **Wi-Fi Direct**: For more information about using Wi-Fi Direct, see *"Wi-Fi Direct"* on page 157.

Backing Up Contacts

Use Backup Assistant Plus to save a copy of your Contacts to a secure web site.

For more information, see *"Backup Assistant Plus"* on page 212.

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**, and then touch **Backup**.
3. Follow the prompts to log in to your Backup Assistant Plus account.

Favorites

Mark contacts with a star to identify them as Favorites.

Favorites display on the Favorites tab in the Phone and Contacts for fast dialing or messaging, and are indicated by the star.

Creating Favorites

1. From the Home screen, touch **Contacts**.
2. Touch **Favorites** ➔ **Menu** ➔ **Add to Favorites**, select the contacts to be added to favorites, and then touch **Done**.

   – or –

   Touch a contact to display it, and then touch star at the top right of the screen.

Groups

Assign contacts to Groups to make searching for contacts faster, or to quickly call or send messages to group members. Your device comes with pre-loaded groups you can use to add your contacts, or you can create new groups.

Accessing Groups

- From the Home screen, touch **Contacts** ➔ **Groups**.

Creating a New Group

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch **Menu** ➔ **Create**, and then enter information:
   - Touch **Group name** to enter a Group Name.
   - Touch **Group ringtone** to choose a ringtone for calls from members of this group.
   - Touch **Message alert** to choose an alert tone to play for messages from members of this group.
   - Touch **Vibration pattern** to choose a vibration to play for calls from members of this group.
   - Touch **Add member** to select members from Contacts.
3. Touch Save to save the new group.

Editing a Group

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch a Group to display it.
3. Touch **Menu** ➔ **Edit group**, and then update information for the group. For more information, see *"Creating a New Group"* on page 47.

Deleting a Group

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch **Menu**, and then touch **Delete groups**.
3. Touch a group to mark it for deletion, or touch **Select all** to mark all groups. When selected, a check mark appears in the check box. You cannot delete pre-loaded groups.
4. Touch **Delete**, and then choose **Group only** or **Group and group members**.
5. When prompted, touch **OK** to delete the selected group(s).

Adding Contacts to a Group

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch a **Group** to display it, and then touch **Add member**.
3. Touch contact(s) to mark them for addition, or touch **Select all** to mark all contacts. When selected, a check mark appears in the check box.
4. Touch **Done** to add the selected contact(s).

Removing Contacts from a Group

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch a **Group** to display it.
3. Touch **Menu**, and then touch **Remove member**.
4. Touch contact(s) to mark them for removal, or touch **Select all** to mark all contacts. When selected, a check mark appears in the check box.
5. Touch **Done** to remove the selected contact(s).

Sending a Message to Group Members

Create a new text or email message, addressed to the group's members.

1. From the Home screen, touch **Contacts** ➔ **Groups**.
2. Touch a **Group** to display it.
3. Touch **Menu**, and then touch **Send message** or **Send email**.
4. Touch contacts to mark them as recipients for the new message, and then touch **Done**.
5. The new message opens, with the marked contacts as recipients. Continue creating the message, as desired. For more information, see *"Creating and Sending Messages"* on page 64, or see *"Composing and Sending Email"* on page 70.

Speed Dials

Speed dials are 1, 2, or 3-digit shortcuts (1 to 100) you assign to contacts, to allow you to quickly call the contact.

For more information about calling using speed dials, see *"Making Calls using Speed Dials"* on page 50.

Note: Some speed dials are reserved by default, and cannot be assigned:
Speed dial 1 is reserved for Voicemail.
Speed dial 96 is reserved for data usage inquiries.
Speed dial 97 is reserved for balance inquiries.
Speed dial 98 is reserved for minutes inquiries.
Speed dial 99 is reserved for payment inquiries.

Assigning Speed Dials

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**, and then touch **Speed dial setting**.
3. A list of speed dials displays.Touch a speed dial, and then touch a contact to assign the contact to the speed dial.

Removing or Reassigning a Speed Dial

1. From the Home screen, touch **Contacts**.
2. Touch **Menu**, and then touch **Speed dial setting**.
3. Touch **Menu**, and then touch an option:
   - **Change order**: Touch an assigned speed dial, and then touch a new speed dial location to change the order.
   - **Remove**: Touch a speed dial to remove it.

Making Calls

Your device offers multiple ways to make calls:

- Use the touch screen **Phone Keypad** to enter the phone number or speed dial.
- Call a contact from **Contacts**.
- Call a contact from **Favorites**.
- Return a call, or call a recent caller, from **Recent** calls.
- Voice dial using **S Voice**.

Making Calls Using the Phone Keypad

1. From the Home screen, touch **Phone**.
2. Touch the digits of the telephone number on the **Keypad**.
3. Touch to place the call.

Making Calls using Speed Dials

Speed Dials are 1, 2, or 3-digit shortcuts (1 to 100) you assign to contacts, to allow you to quickly call the contact.

For more information about setting speed dials, see *"Speed Dials"* on page 49.

1. From the Home screen, touch **Phone**.
2. Touch the digits of the speed dial number on the **Keypad**, holding the last digit until the number dials.

Making Calls from Contacts

A contact is an entry that you have created to store the name, numbers, and other information for people or groups of interest.

For more information, see *"Contacts"* on page 38.

1. From the Home screen, touch **Contacts**.
2. Find the contact and touch it to open the Contact entry.
3. Swipe your finger from left to right across the contact to dial their default number.

   – or –

   Touch a contact, and then touch to dial the number.

Making Calls using S Voice

Place a call by speaking the name or number.

1. From the Home screen, touch **Phone**. then touch .
2. The first time you access, follow the prompts to confirm the license agreement, and view information about.
3. Follow the prompts to speak a command. You can say commands such as:
   - **Call <Name >**: Call an entry in your Contacts list.
   - **Dial <Phone number>**: Call a spoken phone number.
   - **Redial**: Repeat a recent call.

Making Calls using Favorites

Favorites are contacts that you designate as favorites by starring them. For more information about creating favorites, see *"Favorites"* on page 46.

1. From the Home screen, touch **Phone**.
2. Touch **Favorites** to display favorites.
3. Find the contact and touch it to open the Contact entry.
4. Swipe your finger from left to right across the contact to dial their default number.

   – or –

   Touch a contact, and then touch to dial the number.

Making Calls from Recent calls

Return a call, or call a number from a recent call stored in Recent calls.

For more information, see *"Recent Calls"* on page 54.

Multi-party Calling

Use multi-party call features to set up a call between multiple callers, such as for a conference call.

1. Establish the first call, by answering an incoming call or making a call.
2. Touch **Add call**. The first call is placed on hold.
3. Make the second call by touching the phone number digits, and then press .
4. Touch **Merge** to merge the calls into one conference call.
5. To end the call touch .

Answering Calls

You can answer incoming calls when the device is locked or unlocked.

- Touch and drag the **Answer** icon toward the middle of the screen.

Tip: To silence the ringtone for an incoming call, press the **Volume** key.

Sending Calls to Voicemail

When your device alerts you to an incoming call, you can reject the call to send the caller to voice mail, or reject the call and send a message to the caller.

Rejecting a call

- Touch and drag the **Reject** icon toward the middle of the screen.

Rejecting a call with a message

- Touch and drag **Reject call with message** toward the middle of the screen, and then select an existing message, or **Create new message**.

Note: For more information about creating reject messages, see *"Set up call rejection messages"* on page 57.

Answering Call-Waiting Calls

When you receive a call while on a call:

- Touch and drag the **Answer** icon to answer the incoming call. The original call is placed on hold, and remains on hold until you end the second call, or swap calls back to the original call.
- Touch **Swap** to place a call on hold and return to the original call.

Options During a Call

While in a call, you can use these features:

- **Add call**: Display the Dialer to set up a multi-party call.
- **Keypad**: Display a keypad to enter numbers.
- **End call**: End the phone call.
- **Speaker**: Enable or disable speakerphone.
- **Mute**: Mute or unmute your voice on the call.
- **Headset**: Switch the call's audio to a Bluetooth headset (device and headset must already be paired; for more information see *"Pairing with a Bluetooth Device"* on page 161).
- Touch **Menu** for options:
  - **Contacts**: Launch Contacts. See *"Contacts"* on page 38.
  - **Action Memo**: Launch Action Memo. See *"Action Memo"* on page 80.
  - **Message**: Launch Messaging. See *"Text and Multimedia Messaging"* on page 64.
  - **One-handed operation on**: Enable or disable One-handed operation. See *"One-handed operation"* on page 205.

Ending a Call

- To end a call, touch End call.

Recent Calls

When you place, answer, or miss a call, a record of the call is saved in Recent calls.

Accessing Recent calls

- From the Home screen, touch **Phone** ➔ Recent **Recent calls**.

Making Calls using Recent calls

1. From the Home screen, touch **Phone**.
2. Touch Recent **Recent** to display recent calls.
3. Swipe your finger from left to right across the call to redial.

   – or –

   Touch a call, and then touch to dial the number.

Sending Messages using Recent calls

1. From the Home screen, touch **Phone** ➔ **Recent calls**.
2. Swipe your finger from right to left across the call.

   – or –

   Touch a call, and then touch to create a message to the number.

Creating or Updating Contacts Using Recent calls

1. From the Home screen, touch **Phone** ➔ **Recent calls**.
2. Touch and hold on a call, and then select **Add to Contacts** from the pop-up menu.
3. Choose **Create contact** or **Update existing**.
4. Continue entering contact information. For more information, see *"Contacts"* on page 38.

Managing Recent calls

Deleting records

1. From the Home screen, touch **Phone** ➔ **Recent calls**.
2. While viewing the calls, touch **Menu**, and then touch **Delete**.
3. Touch call records to mark them for deletion, or touch **Select all**. A check indicates marked records.
4. Touch **Delete** to delete marked records.

Filtering records

1. From the Home screen, touch **Phone** ➔ **Recent calls**.
2. While viewing the calls, touch **Menu**, and then touch **View by**.
3. Select a filter type, from All calls and messages, All calls, Missed calls, Dialed calls, Received calls, Rejected calls, All messages, Sent messages, and Received messages.

Viewing call durations

View the length of the Last call, all Dialed calls, all Received calls, or All calls.

1. From the Home screen, touch **Phone** ➔ **Recent calls**.
2. While viewing calls, touch **Menu**, and then touch **Call duration**.

Call Settings

Configure settings for calling with your device.

Call block

Manage your phone's Auto Reject/Accept mode.

1. From the Home screen, touch **Phone** ➔ **Menu** ➔ **Call settings**.

   – or –

   From the Home screen, touch **Apps** ➔ **Settings** ➔ **Call**.

2. Select **Call block** for these options:
   - **Incoming call**:
     - **Block calls**: Set blocking of incoming calls Off, to apply to All numbers, or to apply to numbers in your Call block list only.
     - **Call block list**: Choose to block all incoming calls with Unknown number, and/or Create/manage numbers whose calls are to be blocked.
   - **Outgoing call**:
     - **Block calls**: Set blocking of outgoing calls Off, to apply to All numbers, or to apply to numbers in your Call block list only.
     - **Call block list**: Create/manage numbers to whom outgoing calls are to be blocked.

Set up call rejection messages

Create and manage text messages to send to callers when rejecting incoming calls. Messages you create here are available from the incoming call screen when you use the Reject with message option.

1. From the Home screen, touch **Phone**.
2. Touch **Menu** ➔ **Call Settings** ➔ **Set up call rejection messages**.
3. Manage messages:
   - To create new messages, touch **Create**, and then follow the prompts.
   - To change an existing message, touch the message, and then edit the text.
   - To delete an existing message, touch , select the message(s) to be deleted or touch **Select all**, and then touch **Delete**.

Answering/ending calls

Manage settings for answering and ending calls.

1. From the Home screen, touch **Phone**.
2. Touch **Menu** ➔ **Call Settings** ➔ **Answering/ending calls**.
3. Configure these options:
   - **The home key answers calls**: When enabled, you can answer an incoming call by pressing the **Home Key**.
   - **Voice control**: When enabled, you can answer an incoming call using voice commands.
   - **The power key ends calls**: When enabled, pressing the **Power/Lock Key** ends a call, without turning off the screen.

Turn off screen during calls

When enabled, the screen automatically turns off during phone calls, and the proximity sensor on the front of the device is used to turn the screen back on when the device is moved or brought close to another surface, such as when you move the device to your ear.

1. From the Home screen, touch **Phone**.
2. Touch **Menu** ➔ **Call Settings**.
3. Touch **Turn off screen during calls** to enable or disable the option.

Call alerts

Set options for sounds and vibrations to occur during calls.

1. From the Home screen, touch **Phone**.
2. Touch **Menu** ➔ **Call Settings** ➔ **Call alerts**.
3. Configure options:
   - **Call vibrations**: Enable **Vibrate on connection to network** to have your device vibrate when it connects to the network. Enable **Call-end vibration** to have the device vibrate when the other caller ends the call.
   - **Call status tones**: Choose options for sounds to play during calls. Enable **Call connect tone** to have the device play a tone when the other caller answers a call. Enable **Minute minder** to have a tone play once per minute during a call. Enable **Call end tone** to have the device play a tone when the other caller ends the call. Touch **OK** to save the settings.
   - **Alerts on call**: Enable to have notifications for alarms and new messages play during phone calls. When disabled, these notifications will be muted during a call.

Incoming call notifications

When enabled, incoming voice call notification pop-ups appear, when the screen is on.

1. From the Home screen, touch **Phone**.
2. Touch **Menu** ➔ **Call Settings** ➔ **Incoming call notifications** to enable or disable this option. A check mark appears to indicate this option is enabled.

Call accessories

Configure headset options for calls.

1. From the Home screen, touch **Phone**.
2. Touch **Menu** ➔ **Call Settings** ➔ **Call accessories**.
3. Configure settings:
   - **Automatic answering**: When enabled, and you have a headset connected to the Headset Jack, incoming calls are answered automatically after a delay, set at Automatic answering timer.
   - **Automatic answering timer**: Choose a time period to delay before automatically answering an incoming call when Automatic answering is enabled and a headset is connected to the device.
   - **Outgoing call conditions**: When the device is paired with a Bluetooth headset, you can choose to make calls even when the device is locked.

Call forwarding

When activated, Call forwarding allows you to have your incoming calls automatically sent to another number.

1. From the Home screen, touch **Phone**.
2. Touch **Menu** ➔ **Call Settings** ➔ **Call forwarding**.
3. Touch **Activate call forwarding** to choose to have **All incoming calls** or **Unanswered calls** automatically sent to another number.

   – or –

   Touch **Deactivate call forwarding** to have your incoming calls sent to your phone.

Ringtones and keypad tones

Choose tones and/or vibration to play for incoming calls and keypad touches.

1. From the Home screen, touch **Phone**.
2. Touch **Menu** ➔ **Call Settings** ➔ **Ringtones and keypad tones**.
3. Configure settings:
   - **Ringtones**: Choose a default ringtone for incoming calls.
   - **Vibrations**: Choose a vibration pattern, or create your own pattern, to play for incoming calls when Incoming call vibration is turned On. Vibration plays along with the ringtone, if Silent mode is not enabled.
   - **Vibrate when ringing**: When enabled, the Device vibration plays for incoming calls.
   - **Keypad tones**: When turned on, sounds play when you touch the Phone keypad.

Personalize call sound

Choose options for call audio, in cases where you might need the sound softer or more clear, or optimized for your right or left ear. These are the defaults, but you can change them during a call by touching **Menu** ➔ **My call sound**.

1. From the Home screen, touch **Phone**.
2. Touch **Menu** ➔ **Call Settings** ➔ **Personalize call sound**.
3. Configure options:
   - **Adapt sound**: Follow the prompts to find the best call sound for you.
   - **Soft sound**: Higher voice frequencies are reduced.
   - **Clear sound**: Higher voice frequencies are increased.
   - **Off**: Choose Off to use the phone's default sound.

Noise reduction

Enable or disable noise reduction. When enabled, the effect of background noise is suppressed, to help you and the other caller hear your call better.

1. From the Home screen, touch **Phone**.
2. Touch **Menu** ➔ **Call Settings**.
3. Touch **Noise reduction** to enable or disable the option.

Increase volume in pocket

When enabled, the device uses the proximity sensor to detect when the device is in a pocket or other close-fitting location such as a purse or bag, and increases the volume for incoming call ringtones.

1. From the Home screen, touch **Phone**.
2. Touch **Menu** ➔ **Call Settings**.
3. Touch **Increase volume in pocket** to enable or disable the option.

Voicemail

Configure options for voicemail.

1. From the Home screen, touch **Phone**.
2. Touch **Menu** ➔ **Call Settings**.
3. Configure options:
   - **Voicemail service**: By default, your device uses your wireless service provider's voicemail service. If you have another option for voicemail installed, select it here.
   - **Voicemail settings**: By default, the speed dial for calling voicemail for your service provider is *86 (*VM). If you wish to use another speed dial, touch Voicemail number to set a new one.
   - **Sound**: Choose a ringtone to play for a voicemail notification.
   - **Vibrate**: Choose an option for vibration to play for a voicemail notification.

Other call settings

1. From the Home screen, touch **Phone**.
2. Touch **Menu** ➔ **Call Settings**.
3. Configure options:
   - **Current country**: Choose the country you are in. This is used in Assisted dialing.
   - **Assisted dialing**: When turned On, your phone automatically dials appropriate codes and prefixes for international calls. Touch

to turn the option On or Off, and then touch **Assisted dialing** to configure settings.
   - **Auto retry**: When enabled, the device will automatically redial a call if it receives a busy signal from the network.
   - **TTY mode**: Choose a TTY mode to enable TTY mode, for use with optional TTY equipment.
   - **Hearing aids**: Enable or disable hearing aid support.
   - **DTMF tones**: Play DTMF tones.
   - **Voice privacy**: Enhance voice privacy on calls.

Section 5: Messaging

Types of Messages

Your device supports these types of messages:

- **Text messages**: Send and receive simple messages containing text to other mobile phones or email addresses (also known as SMS).
- **Multimedia messages**: Send and receive text messages with pictures, video, and/or sound to other mobile phones or email addresses (also known as MMS).
- **Mobile IMs**: Exchange Instant Messages with other users of popular messaging sites.
- **Email**: Send and receive email from your email accounts, including Corporate mail.
- **Gmail**: Send and receive Gmail from your Google account.
- **Voicemail**: Retrieve voice messages from callers.
- **Google Hangouts**: Chat with other Google Hangouts users.

Note: Messaging service availability depends on your network and service plan. Multimedia Messaging charges apply per your Calling Plan. Monthly plans are available. Higher rates apply for International Multimedia Messaging (when available). Compatible Device required. Consult Verizon Wireless for more information.

Text and Multimedia Messaging

Your device can send and receive text and multimedia messages.

Creating and Sending Messages

1. From the Home screen, touch **Messages**.
2. Touch **New message**.
3. Touch **Enter recipient** and enter a name, phone number or email address, or touch to add recipients from Contacts. As you enter text, matching contacts appear. Touch a contact to add it to the list.
4. Touch **Enter message**, and then enter the message. While entering the message, use these options (available options depend on attachment):
   - Touch **Attach** to add media or content to the message (converts the message to MMS).
   - Touch **Menu** for options:
     - **Insert smiley**: Add a text emoticon to the message.
     - **Add text**: Select text from S Note, Calendar, Contacts or Text templates to add.
     - **View contact**: Display the addressed contact's information.
     - **Preview**: View the message and attachments before sending.
     - **Add to Contacts**: If the recipients are not saved in Contacts, save the info as a new contact, or update an existing contact.
     - **Add slide/Remove slide**: Add or remove a slide. Slides hold pictures or other media, and adding a slide converts the message to MMS.
     - **Add subject**: Add a subject field (converts the message to MMS.)
     - **Duration**: Set the length of time the media on the slide displays.
     - **Layout**: Choose whether the message text appears above (Text on top) of the attachment(s), or after (Text on bottom).
     - **Priority level**: Set the urgency of the message.
     - **Discard**: Erase the message without sending it.
     - **Translate**: Automatically translate your message text to a selected language using S Translator. For more information, refer to *"S Translator"* on page 87.
5. Touch to send the message.

Managing Messages

Messages you send and receive to the same contact, number or address are grouped together as a "thread", so you can see all the messages you exchanged with a recipient in one place, like a conversation.

1. From the Home screen, touch **Messages**.
2. Message threads display by contact, number, or address. While viewing message threads, you have these options:
   - Touch and hold a thread to choose options, including:
     - **View Contact / Add to Contacts**: View the contact record, or save the sender/recipient's information.
     - **Delete thread**: Erase the entire message thread.
     - **Save messages**: Save the message.
   - Touch **Menu** for options, including:
     - **Search**: Enter characters to search messages and recipients.
     - **Delete threads**: Choose message threads to erase.
     - **Draft messages**: View messages you've created but not yet sent.
     - **Locked messages**: View messages you've locked. Locked messages cannot be deleted.
     - **Font size**: Change the size of your message font.
     - **Save messages**: Save messages to storage.
     - **Settings**: Configure Messaging settings.
     - **About**: View information about Messaging.

Message Settings

Configure settings for message storage, delivery, or alerts.

1. From the Home screen, touch **Messages**.
2. Touch **Menu**, and then touch **Settings** ➔ **General** tab for options:
   - **General settings**:
     - **Default messaging app**: Select any installed messaging app (such as Samsung Messages or Hangouts) as your default messaging app.
     - **Restore messages**: Restore messages saved to an optional memory card back to the Messaging app.
     - **Delete old messages**: When enabled, messages are automatically erased when storage reaches default limits. When disabled, the device will prompt you to delete old messages to make room.

– **Text message limit**: Set the number of SMS messages per conversation.
– **Multimedia message limit**: Set the number of MMS messages per thread.
– **Text templates**: Text templates are phrases that you can add to your messages. Use a pre-loaded text template, or create your own.

• **Display**:
– **Bubble style**: Choose the appearance of messages in a message thread. Touch a bubble style for each side of the conversation, and then touch **Save**.
– **Background style**: Choose the appearance of the screen behind message threads. Touch a style, and then touch **Save**.
– **Split view**: When enabled, messages display in a split screen view when the device is in landscape orientation.
– **Use the volume key**: When enabled, you can change the size of message text while viewing by pressing the Volume Key.

• **Signature settings**
– **Add signature**: When enabled, a text signature is added to all messages you send.
– **Signature text**: Enter a text signature to add to messages when Add signature is enabled (available when Add signature is enabled).

3. Touch **SMS/MMS** tab for options:

• **Text message (SMS) settings**:
– **Delivery reports**: When enabled, you receive a delivery report for text messages you send.
– **Manage SIM card messages**: Allows you to manage messages stored on your SIM card.

• **Multimedia message (MMS) settings**:
– **Delivery reports**: When enabled, you receive a delivery report for multimedia messages you send.
– **Auto-retrieve**: When enabled, MMS messages download automatically. When disabled, the device prompts for download.

– **Roaming auto-retrieve**: When enabled, MMS messages download and display automatically when roaming. When disabled, the device prompts you to download new MMS messages.

– **MMS alert**: When enabled, your device alerts you when a message changes from SMS to MMS, such as when you attach a picture.

– **Group conversations**: When you enter multiple recipients, the message is considered a group message. When this option is enabled, replies to the original message are sent to all recipients.

4. Touch the **More** tab for options:

• **Notification settings**:

– **Notifications**: When enabled, message alerts display in the Status bar.

– **Select ringtone**: Choose a sound for message alerts.

– **Vibrate**: Configure vibration for message alerts.

– **Message alert repetition**: Choose the frequency of alerts for new messages.

– **Preview message**: When enabled, a preview of new messages appears in the Status bar with the message notification.

• **Callback number**

– **Turn on callback number**: When enabled, a telephone number is included in messages you send.

– **Callback number**: Enter a telephone number to add to messages when Enable callback number is enabled (available when Enable callback number is enabled).

Emergency Alerts

This device is designed to receive Wireless Emergency Alerts from the Commercial Mobile Alert Service (CMAS). Emergency Alerts are geographically-targeted, and alert customers of imminent threats to their safety within their area. There is no charge for receiving an Emergency Alert.

There are three types of Emergency Alerts:

- Presidential
- Imminent (Severe or Extreme)
- AMBER Alerts (missing person alert)

Customers may choose not to receive Imminent Alerts and AMBER Alerts. Presidential Alerts can not be disabled. To disable Imminent Threat Alerts (Extreme and Severe) and AMBER Alerts, follow these instructions:

1. From the Home screen, touch **Messages**.
2. Touch **Menu**, and then touch **Settings** ➔ **More** ➔ **Emergency Alerts**.
3. All alerts are enabled by default (checkmark showing). To disable alerts, touch an alert to remove the checkmark.

Email

Send and receive email using popular email services.

Setting Up Email Accounts

You can configure Email for most accounts in just a few steps.

1. From the Home screen, select **Apps** ➔ **Email**.
2. The first time you set up an email account, select your email provider.

   – or –

   For subsequent accounts, touch **Menu** ➔ **Settings** ➔ +, and then select your email provider.
3. Follow the prompts to set up your email account.

Note: For more information on setting up your email, visit the Smartphone Resource Center at: https://smartphones.verizonwireless.com

Deleting Email Accounts

1. From the Home screen, select **Apps** ➔ **Email**.
2. Touch **Menu** ➔ **Settings** ➔ .
3. Select email account(s) for deletion, and then touch **DELETE**.

Syncing Email Accounts

Syncing refreshes your device with the account's servers. When you set up an email account, you can choose whether the account syncs in the background, or manually.

- From the Home screen, select **Apps** ➔ **Email** ➔ **Sync**.

Email Settings

Use settings to configure handling of your email.

Note: Available settings depend on the email provider.

1. From the Home screen, select **Apps** ➔ **Email**.
2. Touch **Menu** for these options:
   - **Sort by**: Select the criteria the order in which your messages are listed.
   - **View as**: Choose whether to list your messages in Standard view or in Conversation view.
   - **New meeting invitation** (Microsoft Exchange accounts only): Send a meeting invitation message. Also see *"Calendar"* on page 109.
   - **Documents** (Microsoft Exchange accounts only): Enter Windows SharePoint Services or Windows file address to access documents.
   - **Font size**: Choose the desired text font size for your messages.
   - **Delete all**: Choose whether to delete all messages in the displayed folder.
   - **Settings**: See Step 3.
   - **Help**: View instructions on how to set up email accounts.

3. Touch **Menu** ➔ **Settings** for additional options:
   - **General settings**:
     - **Display**: Choose whether your email content will be shrunk to fit you screen, and choose what information from each message appears as a preview in the message list.
     - **Composing and sending**: Select what functions are available while composing and sending emails.
     - **Auto-advance**: Choose the screen to display after you delete or move a message.
     - **Confirm deletions**: When enabled, Email will prompt you to confirm when you delete messages.
     - **Priority senders**: Enter email addresses, to have emails from the addresses treated as a priority.
     - **Spam addresses**: Edit the list of senders and domain names reported as sources of spam.
     - **Rules for filtering**: Set email filtering rules and manage filtered email in combined view.
     - **Split view mode**: When enabled, emails display in a split screen view when the device is in landscape orientation.
4. Touch an account to configure specific settings. Available options depend on the account.

Composing and Sending Email

1. From the Home screen, select **Apps** ➔ **Email**.
2. If you have multiple accounts set up, choose an account from the menu at the top of the screen.
3. Touch **COMPOSE**, and then touch fields to enter recipients and the email text.
4. While composing a message, use these options:
   - Touch **Menu** for options. Available options depend on the type of email account.
   - Touch **Attach** to add a file to the message. Available options depend on the type of email account.
5. Touch **Send** to send the message.

Gmail

Send and receive emails using Gmail, Google's web-based email.

- From the Home screen, touch **Apps** ➔ **Google** folder ➔ **Gmail**.

Setting Up Your Gmail Account

The first time you launch Gmail, your device will prompt you to set up your Google account, if you haven't already set it up. If you set up your Google account on your device, Gmail is set up automatically.

1. From the Home screen, touch **Apps** ➔ **Google** folder ➔ **Gmail**.
2. Follow the prompts to sign in, or create a new account.
3. The device communicates with the Google server to set up your account and synchronize your email.

Note: You can use more than one Google account on your device. To add another account, use the **Menu** ➔ **Settings** ➔ **ADD ACCOUNT** option.

Refreshing Your Gmail Account

Syncing refreshes your device with the account's servers. When you set up an email account, you can choose whether the account syncs in the background, or manually.

- From the Home screen, touch **Apps** ➔ **Google** folder ➔ **Gmail** ➔ **Menu** ➔ **Refresh**.

Gmail Settings

Use settings to configure your Gmail preferences.

1. From the Home screen, touch **Apps** ➔ **Google** folder ➔ **Gmail**.
2. Touch **Menu** ➔ **Settings** for options.

Composing and Sending Gmail

1. From the Home screen, touch **Apps** ➔ **Google** folder ➔ **Gmail**.
2. Touch **Compose**, and then touch fields to compose the message. While composing, touch **Menu** for options.
3. To send the message, touch **Send**.

Voicemail

All unanswered calls to your device are sent to voicemail, even if your device is turned off, so you'll want to set up your voicemail and personal greeting as soon as you activate your device.

Visual Voicemail is a feature that allows you to review your voicemails on your device, including the option to listen to your voicemail in any order. There is a monthly charge for Visual Voice Mail, and airtime charges may apply. For more information, contact Verizon Wireless.

Setting up Voicemail

1. From the Home screen, touch **Apps** ➔ **Verizon** folder ➔ **Voicemail**.

   – or –

   From the Home screen, touch **Phone**, and then touch and hold 1 ∞.

2. Follow the automated instructions to set up your password and record a greeting.

Checking Voicemail

1. From the Home screen, touch **Apps** ➔ **Verizon** folder ➔ **Voicemail**.

   – or –

   From the Home screen, touch , and then touch and hold 1 ∞.

2. Follow the automated instructions to manage voicemail.

Clearing Voicemail Notifications

When you have new voicemail, your device alerts you by displaying an icon in the Status bar, and, depending on your settings, by playing sound and vibration. If you want to remove the icon from the Status bar, use the Clear notifications option.

- From the Home screen, touch **Apps** ➔ **Verizon** folder ➔ **Voicemail** ➔ **Clear notifications**.

Google Hangouts

Chat with other Google Hangouts users.

Note: Hangouts requires that you have a Google account set up on your device. For more information, see *"Setting Up Your Accounts"* on page 37. If you set up your Google account, you are automatically logged in.

- From the Home screen, select **Apps** ➔ **Google** folder ➔ **Hangouts**.

Section 6: Applications

Accessing the Apps Screen

- From the Home screen, touch **Apps**.

Launching an App

- From the **Apps** screen, locate the desired app icon and touch it.

Task Manager

Your device can run apps simultaneously, with some apps running in the background. Use Task manager to see which apps are running on your device, and to end running apps to extend battery life. You can also uninstall apps from your device and check memory usage.

1. From any unlocked screen, press and hold the **Home** key, and then select Task manager.

Tip: Touch and drag your finger on the tabs to scroll the tabs.

2. Touch the Active applications tab to view apps running on your device. Touch End, or End all to close apps.
3. Touch the Downloaded tab to view information about apps you've installed on your device. Touch Uninstall to remove an app from your device.
4. Touch the RAM tab to display the amount of RAM (Random Access Memory) in use. Touch Clear memory to clear processes to increase available RAM.
5. Touch the Storage tab for internal system storage and SD card memory statistics.

Managing Applications

Apps displays all applications installed on your device, including apps you download and install.

You can change the way apps appear on the screen, uninstall apps you've downloaded, and share apps with friends. When you install new apps, new screens are added to hold them.

Tip: You can place shortcuts to apps on the Home screen, for quick access to the application. For more information, see *"Add Shortcuts to the Home Screen"* on page 20.

Downloading and Installing Apps

Find new apps to download and install on your device:

- **Amazon Appstore**: For more information, see *"Appstore (Amazon)"* on page 77.
- **Play Store**: For more information, see *"Play Store"* on page 149.
- **Samsung Hub**: For more information, see *"Samsung Hub"* on page 94.

Uninstalling Apps

You can uninstall apps you download and install. Pre-loaded apps cannot be uninstalled.

1. From the **Apps** screen, touch **Menu** ➔ **Uninstall/ disable apps**.
   Apps that can be uninstalled show on their icon.
2. Touch , and then follow the prompts to uninstall the app.

Note: Pre-loaded apps cannot be uninstalled.

Customizing the Apps Screens

Choosing a view

By default, app icons appear in Grid view. You can change the view to list view.

1. From the **Apps** screen, touch **Menu** ➔ **View type**.
2. Choose an option:
   - **Customizable Grid**: The default view, which allows you to touch and hold on apps to move them from screen to screen.
   - **Alphabetical grid**: Icons are arranged in a grid, in A-Z order.
   - **Alphabetical list**: Icons display in a list, sorted from A-Z.

Apps screen options

- From the **Apps** screen, touch **Menu** for options:
  - **Edit**: Touch and hold an app icon for these options:
    - Drag it to a new location.
    - Drag it to to create a new folder to contain the icon.
    - Drag it to to create a new apps screen and place the icon on it.
    - Drag it to to launch Application manager to view information about the app. For more information, see *"Application manager"* on page 195.
    - Drag to (if available) to remove the icon. The trashcan is only available for apps you've installed. Pre-loaded apps cannot be removed.
  - **Create folder**: Create a new folder to contain apps.
  - **View type**: Configure the apps screen.
  - **Uninstall/disable apps**: Remove or disable an app that you downloaded from your device. Preloaded apps cannot be uninstalled but can be disabled.
  - **Show disabled apps**: Control whether disabled app icons are visible in Apps.

Amazon folder

The Amazon folder is a pre-defined apps folder that you can add as a shortcut to any of your Home screens.

- From the **Apps** screen, touch **Amazon.**

Amazon

Shop with Amazon.

- From the **Amazon** folder, touch **Amazon**.

Amazon Kindle

Use the Amazon Kindle™ application to download books for reading, right on your phone.

Note: You must be registered with Amazon to use the Kindle application. At the prompt, enter your Amazon account credentials.

- From the **Amazon** folder, touch **Amazon Kindle**.

Amazon MP3

Shop for music with Amazon.

- From the **Amazon** folder, touch **Amazon MP3**.

Appstore (Amazon)

Browse and download applications, games and more from the Amazon application store.

- From the **Amazon** folder, touch **Appstore**.

Note: Airtime or download charges may apply when using Appstore.

Audible

Download audio books to enjoy on your phone.

- From the **Amazon** folder, touch **Audible**.

IMDb

Search movies and actors, view trailers and show times, explore top charts and box office information, and add movies and TV to your personal Watchlist.

- From the **Amazon** folder, touch **IMDb**.

Google folder

The Google folder is a pre-defined apps folder that you can add as a shortcut to any of your Home screens.

- From the **Apps** screen, tap **Google**.

Google

Use Google Search to search the Web.

- From the **Google** folder, tap **Google** and enter the search text.

  – or –

  From the Home screen, tap the Google Search bar and enter the search text.

Google Settings

The Google Settings menu provides a quick and ready access point to configure preferences for Google+, Maps & Latitude, Location, and so on. You can also use the Search function to initiate a Google Search from this menu.

1. From the **Google** folder, tap **Google Settings** and select an on-screen option.
2. Select one of the available onscreen options.
3. Follow the onscreen prompts.

Google+

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+.

1. Sign on to your Google account.
2. From the **Google** folder, tap **Google+**.
3. Select the account you want to use to sign in to Google+.

   – or –

   Tap **Add account** to create another account.
4. Follow the onscreen instructions to use Google+.

Note: Visit www.google.com/mobile/+/ for more information.

Gmail

Send and receive emails via Gmail, Google's web-based email.

For more information, see *"Gmail"* on page 71.

- From the **Google** folder, tap **Gmail**.

Hangouts

Chat with other Google Hangouts users.

Note: Google Hangouts requires a Google account. For more information, see *"Google"* on page 212. When you set up your Google account on your device, you are automatically logged in.

- From the **Google** folder, tap **Hangouts**.

Play Books

Google Books is now Google Play™ Books. Discovering your favorite books and authors has never been easier. With Google Play Books, you can shop the world's largest selection of e-books and read them anywhere you like; such as on a tablet, phone, e-reader, or the Web.

- From the **Google** folder, tap **Play Books**.

Play Games

Play Games allows you to discover new games and to unify your gaming activities.

Note: Play Games requires that you have or create a Google+ profile.

- From the **Google** folder, tap **Play Games**.

Photos

Automatically save every photo you take with your device to your Google+ account. Then it is easy to view, organize, and share them with friends and family of your choice.

Visit google.com/+/learnmore/photos to learn more.

Note: This app requires a Google Account.

- From the **Google** folder, tap **Play Games**.

Play Movies & TV

With Google Play™ Movies & TV, you can rent thousands of different movies, to watch instantly, or download for offline viewing later. You'll need to have a Google account set up on your device to download content.

- From the **Google** folder, tap **Play Movies & TV**.

Play Newsstand

Subscribe to your favorite magazines so you can have them available to read on your device at your leisure.

Visit play.google.com/store/newsstand to learn more.

Note: This app requires a Google Account.

- From the **Google** folder, tap **Play Newsstand**.

Play Music

With Google Play™ Music, you can play music you've downloaded, and music you copied from your computer. You'll need to have a Google account set up on your phone to download a new application.

- From the **Google** folder, tap **Play Music**.

Voice Search

Use voice commands to search the web with Google.

- From the **Google** folder, tap **Voice Search**.

Chrome

Use Google Chrome to browse the web.

- From the **Google** folder, tap **Chrome**.

Drive

Use the Google Drive app to open, view, rename, and share your Google Docs and files.

Visit drive.google.com to learn more.

Note: This app requires a Google Account.

- From the **Google** folder, tap **Drive**.

Samsung folder

The Samsung folder is a pre-defined apps folder that you can add as a shortcut to any of your Home screens.

- From the **Apps** screen, tap **Samsung**.

Action Memo

The S Pen and inventive Action Memo let you quickly access the information you need, while using any application. You can keep a memo always nearby by pinning it to the screen.

Link your short notes to applications like Phone, Contacts, Messages and so on. For more information, refer to *"S Pen"* on page 25.

Creating a New Memo

1. From the **Samsung** folder, tap **Action Memo**. The action Memo screen is displayed.
2. Tap an existing Memo to open it then tap the screen to enter edit mode.

   – or –

   Tap (**Create**) to create a new action memo.
3. Use the onscreen options to create your memo.
4. Tap **Save** to store the new memo.

The icons that you see displayed on the screen are described in the following table:

Allows you to add free-format drawing and change the input color.

Allows you to erase marks and drawings.

Circle an onscreen text or drawing to then assign that as an action item to an available application such as: Call, Contacts, Messages, Email, Internet, Maps Calendar event.

Displays additional functions.

Allows you to edit the current color.

Detaches the current memo and converts it in a small pop-up box.

Reduces the number of onscreen options.

Closes the current session and save the action memo.

Cancels the current memo.

Saves the current memo and creates a new one.

Add an additional page to the memo.

5. From within the main application screen select the following functions:
   - **Search**: allows you to search for information within existing memos.
   - **Create**: allows you to create a new memo.
   - **Delete**: allows you to delete an existing memo.

Flipboard

This application creates a personalized digital magazine out of everything being shared with you. Access news stories, personal feeds and other related material. Flip through your Facebook newsfeed, tweets from your Twitter account, photos from friends and much more.

1. From the **Samsung** folder, tap **Flipboard**.
2. Follow the onscreen instructions.

Gear Manager

Connect to and manager you Galaxy Gear. For more information, see your Galaxy Gear User Manual.

- From the **Samsung** folder, tap **Gear Manager**.

Group Play

This application lets you share documents, photos or music in real-time with other connected friends.

Note: Group play is not the same as Screen mirroring, which requires a connection to a Wi-Fi capable Samsung TV or the use of the Samsung Link.
For more information, refer to *"Samsung Link"* on page 89.

Important! To share a Group Play, all users must be connected to the same Wi-Fi access point.

1. From the **Samsung** folder, tap **Group Play**.
2. Read the onscreen Disclaimer information and tap **Agree** to continue.
3. Follow the onscreen tutorials.

Creating a group

If you have media you want to share, create a group for other users to join to and then share/collaborate with what you are sharing.

The creator of the group is the leader and it the source of the shared file. All other joined members can then interact with the file being shared.

1. Connect to an active Wireless Access Point and confirm your other participants are also connected to this same Wi-Fi.
2. From within the Group Play application, tap the **Set group password** field to enable the function which requires users to enter a password prior to connecting to your new group.
3. Tap **Create group**. If previously selected, enter your group password and tap **OK**. Mobile AP is enabled.
4. Tap one of the media items listed under the **Share and play content** heading.
5. Tap to select the items you want to share (indicated by a check mark), and then tap **Done** or **OK**.

6. Have your friends sign onto Group Play from their devices (see below) and they can view your media using you as a Mobile AP.

Joining a group

A joiner is the participant of an already created group. You can only view and interact with media shared by the leader of an existing group.

1. Connect to an active Wireless Access Point and confirm your connection is this same Wi-Fi as the group leader.
2. From within the Group Play application, tap **Join group**. Your device then scans for available groups for you to join.
3. Select a group to join. Once connected, you can then select the shared content and interact with your group's shared media.
4. Press [Menu] and select **Help** for additional information.

Using Group Play to Share Videos on Split Screens

1. Connect to an active Wireless Access Point and confirm your connection is this same Wi-Fi as the group leader.
2. From within the Group Play application, tap **Create group**. If previously selected, enter your group password and tap **OK**.
3. Before continuing, have all users launch their respective Group Play application and connect to your new group.

Important! Once users begin to connect, you are notified by an on-screen pop up and the connected user indicator (01) displays the new number of connected users.

---

4. On your source device, tap **Share video,** select the desired video file ➔ **Done**.
5. As the video begins to play, all connected users must tap the **Share video** option within their Group Play.

Note: Without users tapping the **Share video** option, the Sharing slider is disabled and the video only displays on the device.

6. At the source device, drag the enabled Split screen slider from a single screen session ( ) to the Multi-Screen setting ( ) to span videos across multiple devices.
7. Use the onscreen number on each participant's screen to align the devices accordingly and display the same video over several different screens.

Using Group Play to Simultaneously Share Music

1. Connect to an active Wireless Access Point and confirm your connection is this same Wi-Fi as the group leader.
2. From within the Group Play application, tap **Create group**. If previously selected, enter your group password and tap **OK**.
3. Before continuing, have all users launch their respective Group Play application and connect to your new group.
4. On your source device, tap **Share music,** select the desired file ➔ **Done**.
5. As the song begins to play, all connected users must tap the **Share music** option within their Group Play.

Internet

Open the browser to start surfing the Web. The browser is fully optimized and comes with advanced functionality to enhance the Internet browsing feature on your phone.

Your device is equipped with a Google browser to navigate the mobile Web.

- From the **Samsung** folder, tap **Internet**.

PEN.UP

This Samsung application allows you to join a an online community, fallow your favorite artists, show off your artwork, and connect with other artists.

This community brings together anyone that uses the S Pen to draw, sketch, scribble or paint. Share pictures, comment on other creations, or just browse through the pages for something to add to your personal collection.

1. From the **Samsung** folder, tap **PEN.UP**.
2. From the main screen tap either **Sign up** or **Explore PEN.UP**.
3. Follow the onscreen instructions.

S Health

S Health is a wellness application that allows you to better manage your health by providing you with relevant information.

Note: Access to this feature requires that you already be logged in to your Samsung account application. For more information, refer to *"Add account"* on page 212.

1. From the **Samsung** folder, tap **S Health**.
2. Read the introduction and tap **Start**.
3. Read the Terms and conditions information, place a check mark in the **Agree** check box.
4. Tap **Next**.
5. Enter your personal information, and then tap **Next**.
6. Follow the onscreen instructions to use S Health.
7. Press and then tap **Help** for more detailed information.

Before You Start Exercising

This app can be used to monitor your exercise. While moderate physical activity, such as brisk walking, is safe for most people, health experts suggest that you talk with your doctor before you start an exercise program, particularly if you have any of the following conditions:

- Heart disease
- Asthma or lung disease
- Diabetes, or liver or kidney disease
- Arthritis

You should also check with your doctor if you have symptoms suggestive of heart, lung, or other serious disease, such as:

- Pain or discomfort in your chest, neck, jaw, or arms during physical activity
- Dizziness or loss of consciousness
- Shortness of breath with mild exertion or at rest, or when lying down or going to bed
- Ankle swelling, especially at night
- A heart murmur or a rapid or pronounced heartbeat
- Muscle pain when walking upstairs or up a hill that goes away when you rest

Finally, the American College of Sports Medicine recommends that you see your doctor before engaging in vigorous exercise if two or more of the following apply:

- You are a man older than age 45 or a woman older than age 55
- You have a family history of heart disease before age 55
- You smoke or quit smoking in the past six months
- You have not exercised for three months or more
- You are overweight or obese
- You have high blood pressure or high cholesterol
- You have impaired glucose tolerance, also called pre-diabetes

When in Doubt—Check It Out

If you are unsure of your health status, have several health problems, or are pregnant, you should speak with your doctor before starting a new exercise program. Working with your doctor ahead of time is a good way to plan an exercise program that is right and safe for you. Consider it the first step on your path to physical fitness.

S Translator

Allows you can easily translate words and phrases (verbal or text messages) into many different languages.

Note: Access to this feature requires that you already be logged in to your Samsung account application. For more information, refer to *"Add account"* on page 212..

1. From the **Samsung** folder, tap **S Translator**.
2. If prompted, follow the onscreen instructions to log into your Samsung account.

To translate text:

1. At the S Translator screen, tap the top language bar to select your target/source language. Default is Spanish.
2. Tap the bottom language bar to select the destination language that you would like to translate to. Default is English (US).
3. Enter text into the top box and it will automatically be translated into the lower box.
4. Tap the selected **Translate** button within the bottom field. The top target language field is then updated with the new translation.

To translate using your voice:

Important! The two onscreen buttons at the bottom of the application correspond to the two currently selected languages.

1. At the S Translator screen, tap the left voice button to verbally speak the selected language (corresponds to top field).
2. Wait a few seconds until the onscreen notification shows "Speak in..." then speak using the selected language.
3. Within a few seconds, confirm the translated text now appears in the other translation field.

4. Tap the selected **Speak** button to translate using your selected input language and voice.
   - Example, if trying to speak in English and get a Spanish translation, tap the **Speak (English (US))** button and wait for the text to display onscreen.
5. Press for additional options. Choose from: TTS readout speed, Auto readout, and Help.

S Voice

Launches your phone's built-in voice recognition system that allows you to initiate several common tasks without having to touch the device.

This is a voice recognition application used to activate a wide variety of functions on your device. This is a natural language recognition application.

This goes beyond the Google Search Voice Actions feature that simply recognizes Google commands and search terms. You can ask questions (Is it raining in Dallas?) or give voice commands (Show me where to find cheap gas).

- From the **Samsung** folder, tap **S Voice**.

Using S Voice

1. From the **Samsung** folder, tap **S Voice**.
2. Read the onscreen disclaimer information and tap **Confirm** to continue.
3. Review the Terms of Service and tap **Agree** to continue.
4. Navigate through the following onscreen tutorial screens by reading the information and tapping **Next**, or tap **Skip** to continue without reading the information.
5. Wake up the application by repeating the phrase **Hi Galaxy**.

Note: The wake-up command/phrase can be changed from "Hi Galaxy" to anything else.

6. Tap **Speak** if the device does not hear you or to give it a command.

Example 1:

- I want to find the best pizza online.
- Tap and say “Find me the best pizza”. This launches an Internet search.

Example 2:

- I want to go to Cambridge.
- Tap and say “Navigate to Cambridge”. This launches the Map application and indicates where this is in relation to your current position.

Note: You can set S Voice to be always listening:

- With S Voice running, tap **Menu**→ **Settings**.
- Under **Wake up**, slide **Voice wake-up** to **ON**.

Samsung Link

This application wirelessly synchronizes your Samsung mobile phone with your TV, streams content and even keeps tabs on who calls or sends text messages with real-time, onscreen monitoring. Samsung’s Samsung Link makes staying connected easy.

Allows users to share their in-device media content with other external devices using DLNA certified™ (Digital Living Network Alliance) Devices. These external devices must also be DLNA-compliant. Wi-Fi capability can be provided to TVs using a digital multimedia streamer.

Important! The Samsung account manages the access information (username/password) to several applications, such as Samsung Link.

AllShare/Samsung Link Definitions:

Samsung Link/ AllShare Play	This new feature builds on the previous AllShare Play functionality. It includes features such as Web storage integration and social networking integration. This is a Web service that requires using a Samsung account.

Group Play	A subset feature of Samsung Link, this allows you to mirror photos and multimedia presentations with other members of your current Wi-Fi group. Users must be on the same Wi-Fi and provide an access code to join the group.
AllShare Cast (with Hub accessory)	This feature functions with an external AllShare Cast Hub to fully mirror what is currently displayed on your device to the external TV.

Important! You must connect both of your communicating devices to the same Wi-Fi and use an active/registered Samsung account prior to using this application.

For more information, refer to *"Wi-Fi Settings"* on page 170.

For more information, refer to *"Add account"* on page 212.

1. Confirm you have already logged in to your Samsung account.
2. From the **Samsung** folder, tap **Samsung Link**.
3. If prompted with an onscreen notification about no Wi-Fi detected, tap **Cancel** (to continue by using your network connection) or **Connect** to continue.
4. Tap **Sign in**.
5. If prompted to log into your Samsung account, tap **Sign in** and follow the onscreen instructions.

Note: If the main screen still shows a Sign in box, close the application and restart it.

6. Follow the onscreen prompts.
7. Tap to reveal the DEVICES & STORAGE list, scroll down the screen. The DEVICES & STORAGE list contains two separate streaming media options:
   - **Registered devices** allows you to stream/share selected multimedia content from your device to DLNA compliant device connected to the same Wireless Access Point.

- **Registered storage**: allows you to receive and playback media stored externally (server, laptop, and so on) directly on your device by allowing you to add a Web storage service for streaming content.

Configuring Samsung Link Settings

The Samsung Link™ application must first be configured prior to its initial use. You must setup parameters such as connected Wi-Fi, Items to share, source server address, and external device acceptance rights.

1. From the **Samsung** folder, tap **Samsung Link**.
2. Press and then tap **Settings** and configure the following settings as desired:
   - **Registered storage**: allows you to add a Web storage location. Without a storage service/location added, you cannot use Samsung Link.
   - **Save to**: allows you to save your media to your internal phone memory or to an SD card.
   - **Auto upload**: allows you to enable automatic upload of images from your device to those storage locations specified within the Web storage list. Move the slider to the on position to activate the feature.
   - **Video optimization**: allows you to setup the video quality for streamed video content. Move the slider to the on position to activate the feature.
   - **Password lock**: allows you to restrict access to Samsung Link by requiring a user enter the currently active and associated Samsung account password. Move the slider to the on position to activate the feature.
   - **My account**: displays Samsung account information.
   - **Customer support**: allows you to contact the Samsung Link team using a new email from an available email account.
   - **About this service**: displays application information.

Setting Up Web Storage

Web storage services allow you to use storage space to store your files and share them on the “Cloud”.

Note: If you are using another Web storage service, log into that service first before using Samsung Link.

1. From the **Samsung** folder, tap **Samsung Link**.
2. Tap → **Add storage**.

Note: When adding storage, an N Drive is added.

3. Choose from: SugarSync, Dropbox, or SkyDrive.

   – or –

   Press and then tap **Settings** → **Registered storage** → **Add storage**.
4. Follow the on-screen instructions to register or log into your cloud service.
5. Once the process is successfully completed, the Web storage icon or name appears in the Web storage area of the main screen.
6. From the main screen, select a connected device and then tap on the media that you would like to share.
   - A file with N in the upper-left indicates it is stored remotely on a Web storage location. Selecting this media causes your device to access the file currently stored on your services’ servers.

To de-register Web storage service:

1. From the Samsung Link application, press and then tap **Settings** → **Registered storage**.
2. Select **Delete** → **Delete**.
3. Select a current storage service and tap **OK**.

Sharing Media over Samsung Link to a Target Device

Important! Make sure all communicating devices are connected to the same Wi-Fi.

1. Launch AllShare Play/Samsung Link on the target device (such as an Internet TV, Samsung Tablet, and so on).
2. From the **Samsung** folder, tap **Samsung Link**.

Note: You must be signed in to your Samsung Account before you can use this feature.

3. Tap and select your device name from the **Registered devices** area.
4. Tap an available category tab (Pictures, Music, Movies, Files, or Info) and select a file.
   - A file with N in the upper-left indicates it is stored remotely on a Web storage location. Selecting this media causes your device to access the file currently stored on your services' servers.
5. Tap an available onscreen file, image, or video to place a green check mark alongside it.
6. Tap **Stream to connected devices** and select an available target device to begin streaming.
7. On a target device (ex: Internet TV) select the onscreen **Allow** button to continue.

Note: At this stage your device is requesting access to share media with the external source.

8. Confirm **Samsung Link Controller enabled** appears in the Notification area at the top of the device to indicate you are using your device as the media source.

Samsung Hub

Samsung Hub makes it easy to find, sample, and purchase movies, TV shows, books, games, and music, in one user-friendly location. With hundreds of titles available, entertaining your family on-the-go has never been easier. You can rent or purchase your favorite content and watch from any location. Samsung Hub is your gateway to mobile entertainment.

Note: Samsung Hub usage is based on service availability.

You must have an active Samsung Account to purchase and rent content from Samsung Hub.

Important! You must be using an active Wi-Fi/4G/LTE connection to preview and download a media file. The internal memory acts as a storage location for your downloaded rental or purchase.

Creating a New Samsung Hub Account

Before you can rent or buy media, you must first create an account. Enter the required information.

Important! The Samsung account manages the access information (username/password) to several applications, such as Samsung Link, Chat On, and Samsung Hub.

Note: Your Samsung Hub account is managed by the Samsung account application. This application manages your user profile information.

1. Confirm you have already logged in to your Samsung account.
2. From the **Samsung** folder, tap **Samsung Hub**.

Tip: In some cases it might be necessary to sign in to your Samsung account through the application. Press [Menu] and then select **Sign in**.

3. When prompted to connect using mobile networks, select either **Cancel** or **Connect**.

4. If notified your Samsung account is not yet active or verified, tap **OK**. You must be signed in to your Samsung account to use the application's various features.

Using Samsung Hub

The main Samsung Hub screen provides an overview of all the available categories on one page such as: Music, Video, Books, and Games. The overview page also displays recently added media that you can rent or purchase.

1. From the **Samsung** folder, tap **Samsung Hub**.
   - The **OVERVIEW** screen (landing page) displays an main access for all available categories and recently available content for purchase or rental.
2. Scroll across the screen to select from the following available pages:
   - **MUSIC**: displays featured Music content available for purchase/stream from the Music store & Radio. This page also allows you to search for new content, or navigate directly to the Music store page by clicking on the "Music" link at the top of the page.
   - **VIDEO**: displays featured film and TV content available for purchase/rent from the video store. This page also allows you to search for new content, or navigate directly to the Movie & TV store page by clicking the "Video" link a the top of the page.
   - **BOOKS**: displays featured Book content available for purchase from the Book store. This page also allows you to search for new content, or navigate directly to the Book store page by clicking the "Books" link a the top of the page.
   - **GAMES**: displays featured Game content available from the Game store. This page also allows you to search for new content, or navigate directly to the Game store page by clicking the "Games" link a the top of the page.
3. To purchase or view featured content in more detail, tap on any content (Thumbnail or text) to navigate to the product detail page.
4. Depending on the content, you can either purchase, rent, or stream the content directly from the product detail page.
5. Choose a payment method, and then follow the onscreen instructions.

Samsung Hub Notices

- Any media item (Media Content) may be rented or purchased after you create an account in Samsung Hub.
- Media Content that is purchased and downloaded may be viewed concurrently on up to five (5) devices with Samsung Hub (or “the service”) that are also registered to the same account.
- You may remove a device from your account no more than once every 90 days.
- You may remove Media Content from a device as many times as you’d like. You will have the ability to re-download the Media Content later subject to content re-download availability and content provider permissions.
- You may need network coverage to access Media Content you have acquired through the Service.
- You can use 3G, 4G, or Wi-Fi connectivity to download Media Content.
- Unlike purchased Media Content, rented Media Content will be viewable on only 1 device in your account at a time.
- Media Content is downloaded and saved to your authorized device's SD card. No SD Card included out of box.
- Your Media Content may pause/stop or not download in networks where there is a weak signal.
- You may begin watching downloaded Media Content as soon as a) license acquisition has occurred and b) sufficient amount of the Media Content has been buffered.
- You must finish watching Media Content within the time limit set out for each piece of content (which may be as short as 24 consecutive hours).
  - Stopping, pausing or restarting rented Media Content does not extend the available viewing time.
  - In no event will rented Media Content be available for a period of more than thirty (30) days (or shorter on a title-by-title basis) after the Media Content has been rented (e.g., if you begin viewing rented Media Content on the 29th day after the rental transaction, but do not finish viewing the entire title, that rented Media Content may not be available for the entire twenty-four (24) consecutive hour period if such period would extend the viewable time beyond the thirty (30) day rental window).

Unless otherwise restricted by the Content Providers, you can download Media Content to your TV using HDMI connections; otherwise, you cannot play Media Content downloaded from your mobile device output.

Scrapbook

This application allows you to combine documents, images, and music into a digital scrapbook.

1. From the **Samsung** folder, tap **Scrapbook**.
2. Tap **Start** and follow the onscreen tutorials.

SketchBook for Galaxy

This application allows you to explore your imagination through sketches using Autodesk SketchBook application and S Pen.

1. From the **Samsung** folder, tap **SketchBook for Galaxy**.
2. Follow the onscreen tutorials.

Story Album

With Story Album, you can create a digital Album of your story in media. Special moments display on a time line, and if you wish, you can have your album published as a hard copy.

1. From the **Samsung** folder, tap **Story Album**.
2. Read the introductory information and tap **Next**.
3. Tap **Start** to begin your Story Album.
4. Follow the onscreen instructions.
5. Press and then tap **Help** for additional information.

TripAdvisor

With the TripAdvisor, you can plan and have your perfect trip. With over 75 million reviews and opinions by travelers, it is easy to find the best hotels, restaurants, and fun things to do.

1. From the **Samsung** folder, tap **TripAdvisor**.
2. Sign in with your Samsung Account if you have not already done so.
3. Follow the onscreen instructions to use TripAdvisor.
4. Press for additional options.

WatchON

Important! Before initiating use, verify you have an active Internet connection available (either mobile network or Wi-Fi connection).

Note: Before beginning your initial WatchON application setup, confirm your TV is turned off.

Using WatchON

For more information, refer to www.samsungwatchon.com.

Initial Configuration

1. Sign into your Samsung account.
2. From the **Samsung** folder, tap **WatchON**.

Note: If you are not connected to an active Wi-Fi, you may be prompted to continue the set up process over a mobile network. Click **Connect** to proceed.

3. Select your desired country for your TV Guide's source listing and tap **Next**.
4. Enter your current zip code and tap **Done**. This zip code must correspond to the location of your desired TV and set top box.
5. From the **Find your TV service** screen, select a service provider from the available channel listing.
6. From the **Personalize** screen, you can either follow the onscreen prompts to personalize your desired content or tap **Skip** to continue without customizing your content.
7. Read the onscreen Peel Disclaimer agreement and tap **Agree** to complete the set up process.

Customizing Your Remote

1. From the top of the main screen, tap **Remote Control** → **Set Up Now**.
2. From the **Select your TV brand** screen, tap your TV's manufacturer name.
   - If you have a brand of TV not listed or you are using a projector, select from one of the following two options. Choose from either **Other TV Brands** or **I Have a Projector**.

3. Aim your device at the TV and tap **Power** to confirm the set up process completed successfully and the correct TV IR codes were selected.

Note: The process of the initial TV activation can take up to 10 seconds. Please do not press the button again.

4. If the TV turned on, tap **Yes, this code works**.

   – or –

   If the TV did not turn on after tapping **Power** and waiting 10 seconds, tap **No, test next code** or **Send this code again**.

5. From the **Select your channel source** screen, select the entry that corresponds to your current channel control method:

   - **Set-top Box**: selected when channel changes are accomplished using a receiver box. Channels are not changed with the TV remote but rather through the receiver/box.
   - **My xxx TV**: selected when a signal is fed directly into the TV and no box is used. Channels are changed directly on the TV by using the TV remote and not a box's remote.

Note: Try matching your current channel selection method.

6. Select the Satellite Box Brand from the available list. For example, DirectTV®.
   - If your brand does not display in the list, tap **Show other brands** and follow the onscreen instructions.

Important! You must configure your set top box for IR communication with your device. If you do not select **More Info** below and follow the onscreen instructions you may not be able to properly use the application.

7. When prompted to Enable IR, tap **More Info** to learn how to configure your set top box to receive and respond to IR controls.
8. Only after completing the IR setup process and programming your box, press **Back**.

Note: This IR programming of your set top box is a one-time process and once successful should not need repeating.

9. If prompted to personalize your experience, follow the onscreen instructions.

Using WatchON

To change channels:

1. Sign into your Samsung account.
2. From the **Samsung** folder, tap **WatchON**.
3. From the top of the main screen, tap (**Remote Control**). This launches an onscreen set of remote control tabs. Choose from one of the following:
   - **Easy remote**: provides the most common used control features. Scroll down to view additional functions.
4. Tap the bottom of the screen to access additional remote tabs Choose from one of the following:
   - **TV**: provides access to control functions specific to your TV.
   - **[Set top box]**: displays customized control specific to your configured set top box. Ex: satellite dish remote control functions.
5. From the remote screen press and then tap (**Change Room**) to choose from different receivers/boxes in different rooms. Ex: Living Room box, Bedroom box, and so on.
6. Press (**Back**) to return to the main menu.

Locating your favorite programming:

1. Sign into your Samsung account.
2. From the main WatchON screen, tap **Combined View** to reveal available media categories.
3. Select an available category.

   – or –

   Tap **Channel Guide** to display on your TV an onscreen listing of available set top box shows.

For additional information on the WatchON application, press and then select **Help**.

WatchON Settings

- From the main WatchON screen, press [Menu] and then select an available onscreen option:
  - **Change Room**: allows you to select a previously configured room.
  - **Edit channels**: allows you to add or remove channels from your custom list. Press and hold a channel number to update the channel entry.
  - **Settings**: provides access to the Samsung WatchON settings menu.
  - **About**: displays onscreen information about the application.
  - **Help**: displays onscreen help information.

Personalize WatchON

You can personalize your application to do things such as show content only from your selected media categories, or add an additional room's set top box.

To configure your Just for you settings:

The Just for you option displays available content matching your activated media categories. These categories can be configured during your initial set up or at any later time.

1. Sign into your Samsung account.
2. From the main WatchON screen, tap **Combined View → Just for you**.
3. From the **On TV** tab, press [Menu] and then select **Settings**.
4. Access parameters such as **Basic info**, **Genres** and **Sports** to then configure and enable those parameters you would like to show in the Just for you tab.

To add a new room:

Your device can be used to control boxes/receivers from several rooms. You could go from controlling your set top box in your living room and then move into your bedroom to do the same.

1. Sign into your Samsung account.
2. From the main WatchON screen, tap the **On TV** tab
3. Press and then select **Settings** ➔ **Add room**.
4. Name the new room and tap **Next**.
5. Enter your current zip code and tap **Done**. This zip code must correspond to the location of your desired TV and set top box.

Tools folder

The Tools folder is a pre-defined apps folder that you can add as a shortcut to any of your Home screens.

- From the **Apps** screen, tap **Tools**.

Calculator

Using this feature allows you to use your device as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. You can also use this as a scientific calculator.

1. From the **Tools** folder, tap **Calculator**.
2. Enter the first number using the numeric keys.
3. Enter the operation for your calculation by tapping the **Plus, Minus, Multiplication,** or **Division** key.
4. Enter the next number.
5. To view the result, tap the **= (equals)** key.
6. Repeat steps 1 to 4 as many times as required.

Note: Place the screen in Landscape mode to reveal additional scientific functions.

Downloads

Provides quick access to tabs containing a list of your current downloaded files (Internet and Other).

1. From the **Tools** folder, tap **Downloads**.
2. Place a check mark on an available file to select it.
3. Choose an available action such as Share, Delete, Sort by size/date, or Clear list.

My Files

This application allows you to manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location. This application allows you to launch a file if the associated application is already on your phone (ex: MP4).

- From the **Tools** folder, tap **My Files**.

Note: Navigation in this viewer works on a hierarchy structure with folders, sub-folders, and so on.

Note: The application lets you view supported image files and text files on both your internal storage and microSD card.

Opening and Navigating within Files

DCIM is the default location for pictures or video taken by the device. These files are actually stored in the DCIM folder location.

To open files:

1. From the **Tools** folder, tap **My Files**.
2. Tap a folder and scroll down or up until you locate your selected file.
   - **Home tab** allows you to back up to the root directory.
   - **Up tab** allows you to back up into a higher directory.
   - Tap → **View as** to change the way the files are displayed onscreen. Choose from: **List**, **List and details**, or **Thumbnail**.
   - Tap for these additional options: **Select all**, **Create folder**, **Sort by**, **Add shortcut**, and **Settings**.

To navigate:

1. Tap **All files** ➔ **Device storage/SD memory card** to see the contents of either device or your internal SD card.
2. The following folders may display:
   - **ShareShot**: displays the files shared during a group share shot session.
   - **Alarms**: this folder contains any alarm files you may have.
   - **Android**: the Android folder stores files that are used in Android applications.
   - **Application**: this folder contains app info for S Note.
   - **Bluetooth**: this folder stores files sent by a Bluetooth device.
   - **DCIM**: this is the default location for pictures and videos taken by the device. Tap **DCIM** ➔ **Camera** to view the picture or video files.
   - **Download**: this folder contains downloads you have made.
   - **Movies**: this folder contains your Video and Movie files.
   - **Music**: this folder contains your Music files.
   - **Notifications**: this folder contains all of the notifications you have received.
   - **Pictures**: this folder contains your photos.
   - **Ringtones**: this folder contains any ringtones you have purchased.

Note: Different folders may display depending on how your phone is configured.

3. Once you have located your file, tap the file name to launch the associated application.

POLARIS Office 5

Polaris Office Mobile for Android is a Microsoft Office compatible office suite. This application provides a central place for managing your documents online or offline.

The application can also open Adobe PDF (Portable Document Format) files.

1. From the **Tools** folder, tap **POLARIS Office 5**.
2. From the Registration screen, enter your Email information (if desired) and tap **Register** to complete the process.

   – or –

   Tap **Skip** to ignore this registration. The main Polaris Office screen displays.
3. Follow the onscreen instructions to use Polaris Office.

Voice Recorder

The Voice Recorder allows you to record an audio file up to one minute long and then immediately send it as a message.

1. From the **Tools** folder, tap **Voice Recorder**.
2. Following are the playback controls:

Record to record an audio file.

Stop to stop recording. The file automatically saves to the Voice list.

Pause to pause the recording of an audio file.

Cancel to cancel the recording of an audio file.

Bookmark to bookmark the current recording.

List to display a list of current recordings.

Recording quality to adjust the recording quality. Choose from: Normal or High quality recording.

3. From the Recorded files page, press [=] and then select one of the following:
   - **Share via** and select a method in which to share this audio file. Selections are: Add to Dropbox, Bluetooth, ChatON, Email, Evernote - Create Note, Gmail, Messages, or Wi-Fi Direct. Refer to each specific section, depending on the method you selected to send this voice recording.
   - **Delete**: allows you to delete one or more voice recordings. Tap the recordings to delete and tap **Delete**.
   - **Change category**: allows you to assign the currently selected recording to a user-created category entry.
   - **Sort by**: allows you to sort the current list by either: Date (most recent), Date (oldest), Name, or Category.
   - **Search**: allows you to search for key terms within the existing list.
   - **Manage categories**: allows you to existing user-created category entries.
   - **Settings**: the following settings are available:
     - **Storage**: allows you to choose where your recordings are saved. Select between Phone or memory card.
     - **Recording quality**: allows you to set the recording quality to High or Normal.
     - **Contextual filename**: (requires GPS tagging) allows you to adjust the filename based on contextual information such as your current GPS location.
     - **Default name**: allows you to choose the name prefix for your recordings. For example, if your Default name is Voice, your recordings would be named Voice 001, Voice 002, Voice 003, and so on.
     - **Noise reduction**: allows you to activate/deactivate background noise suppression.
     - **Logo display**: allows you to display a custom logo on the recording screen.
     - **Language**: allows you to select an available language for use with the voice memos.
     - **Channel**: allows you to assign recording mode to either Mono or Stereo.
     - **Skip interval**: allows you to assign a skip length.
   - **End**: allows you to exit the application.

Verizon folder

The Verizon folder is a pre-defined apps folder that you can add as a shortcut to any of your Home screens.

- From the **Apps** screen, tap **Verizon**.

Caller Name ID

Subscribe to Caller Name ID to identify unknown callers by Name, Picture, and City & State.

Note: Caller Name ID requires a subscription.

- From the **Verizon** folder, tap **Caller Name ID**.

Voicemail

All unanswered calls to your phone are sent to voicemail, even if your phone is turned off, so you will want to set up your voicemail and personal greeting as soon as you activate your phone.

- Touch **Voicemail**.

Note: For more information about setting up and checking voicemail, see *"Setting up Voicemail"* on page 72.

Cloud

Use Verizon Cloud to back up and access information. You can use Verizon Cloud to transfer content between other devices that are sometimes running on different operating systems.

- Touch **Cloud**.

Mobile HotSpot

Provides access to the Tethering and Mobile HotSpot menu where you can use either the USB tethering or portable HotSpot functionality.

1. From the **Verizon** folder, tap **Mobile HotSpot**.
2. Activate the desired connection method.

For setup information see either *"Tethering"* on page 162 or *"Mobile Hotspot"* on page 158.

For Mobile Hotspot usage information see *"Mobile Hotspot"* on page 158.

My Verizon Mobile

View details and manage your Verizon Wireless account.

Note: No airtime or minute charges apply when accessing My Verizon Mobile.

- From the **Verizon** folder, tap **My Verizon Mobile**.

NFL Mobile

Play the popular game on your phone.

- From the **Verizon** folder, tap **NFL Mobile**.

Setup Wizard

Use the Setup wizard to quickly configure your phone.

- From the **Verizon** folder, tap **Setup wizard**.

Slacker

Listen to your Slacker Radio station on your device.

- From the **Verizon** folder, tap **Slacker**.

Important! To use some features of this service, you must register with the service.

Verizon Tones

Preview, purchase, and download ringtones and ringback tones.

Note: Airtime or download charges may apply.

1. From the **Verizon** folder, tap **Verizon Tones**.
2. The first time you launch the app, you'll be prompted to create a profile. Follow the prompts to install and use the app.

VZ Navigator

Use VZ Navigator® to find, share and navigate to millions of locations, avoid traffic and drive or walk with ease.

Note: VZ Navigator requires service activation. Contact Verizon Wireless for more information.

- From the **Verizon** folder, tap **VZ Navigator**.

VZ Protect

The Verizon Mobile Security application helps protect your phone from digital threats, including viruses and malware, and from people accessing the information on your phone if it is ever lost or misplaced.

Verizon Mobile Security helps keep your phone secure and protected from viruses, malware and risky web sites.

Important! Data charges apply when using VZ Security.

- From the **Verizon** folder, tap **VZ Security**.

Calendar

With this feature, you can consult the calendar by day, week, or month, create events, and set an alarm to act as a reminder. Google Calendar is built into the phone and synchronizes both new and existing entries between your phone and your online Google account.

Important! You should previously add an account (Facebook, Microsoft Exchange ActiveSync, or Google) prior to using the Calendar.

1. From the **Apps** screen, tap **Calendar**. The following tabs are available on the right side of the display:
   - **Year**: displays the Year view.
   - **Month**: displays the Month view.
   - **Week**: displays the Week view.
   - **Day**: displays the Day view.
   - **List**: displays the events in a List view.
   - **Task**: allows you to search for tasks.

2. Tap **Create event** to create a new Calendar event.

   – or –

   Tap **Today** to display the current date indicated by a blue box, and then press and select one of the following options:

   - **Go to**: displays a specific date.
   - **Delete**: allows you to delete All events, All events before today, or an individual event.
   - **Search**: allows you to search within your current events.
   - **Calendars**: allows you to view the current Calendar accounts.
   - **Settings**: displays a list of configurable settings.

Creating a Calendar Event

1. From the **Apps** screen, tap **Calendar**.
2. Within the Year, Month, Week, and Day tabs, **Create event** to create a new Calendar event.

Enabling the Handwriting mode

1. From the **Apps** screen, tap **Calendar**.
2. Tap **Enable Handwriting** to edit the onscreen Calendar by adding hand-written information.
3. Use the following functions:

Allows you to add free-format drawing.

Allows you to erase marks and drawings.

Undo the last action.

Redo the last action that was undone.

Exits the current action and returns to the Calendar application.

Saves the current updates.

Calendar Settings

Using the Calendar settings you can select the day with which you want the calendar o begin. You also select how you want to view the calendar, by Month, Week, or Day or determine how to manage events, notifications, sounds, and defaults reminders.

1. From the **Apps** screen, tap **Calendar**.
2. Press → **Settings**.
3. Tap **View styles** and select an option.
   - Tap **Month view styles** and select an option.
   - Tap **Week view** and select a type.
4. Tap **First day of week** and select either **Locale default**, **Saturday**, **Sunday** or **Monday**.
5. Tap **Badge** and select either **None**, **Number of events and tasks**, **Number of events today**, or **Number of tasks today**.
6. Tap **Hide declined events** to activate this option. A check mark indicates selection.
7. Tap **Lock time zone** (to lock event time based on your current user-selected time zone). Select a time zone from within the **Select time zone** field.
8. Tap **Show week number** to display the week numbers along the side of the week entries.
9. Tap **Hide completed tasks** to activate this option. A check mark indicates selection.
10. Tap **Weather** to activate this option. A check mark indicates selection.
11. Tap **Set alerts & notifications** to adjust the event notification method. Choose from: **Alert**, **Status bar notification**, and **Off**.
12. Tap **Select ringtone** to assign a ringtone to a calendar event notification.
13. Tap **Vibration** to assign a vibration notification to this event.
14. Tap **Quick responses** to edit your default quick responses for outbound emails. These are default responses similar to those used by text templates.

Camera

You can take photographs and shoot video by using the built-in camera functionality. Your camera produces photos in JPEG format and records videos in MP4 format.

Important! Do not take photos of people without their permission.
Do not take photos in places where cameras are not allowed.
Do not take photos in places where you may interfere with another person's privacy.

Note: An optional microSD card is not needed to take pictures or shoot video since there is already built-in storage.

Assigning the Default Storage Location

Important! Too many users can overlook this storage location until something goes wrong. It is recommended that you verify this location or change it before initiating the use of the camera or camcorder features.

1. From the Home screen, tap **Camera**.
   – or –
   From the **Apps** screen, tap **Camera**.
2. Press and then tap **Settings** ➔ **Settings** and scroll up to the **Storage** entry.
3. Tap this entry and select the desired default storage location for newly taken pictures or videos. Choose from: **Device** or **Memory card**.

Note: It is recommended that you set the option to **Memory card**.

4. Press to return to the Home screen.

Using the Camera

Taking Photos

Taking pictures with your device's built-in camera is as simple as choosing a subject, pointing the camera, and then pressing the camera key.

Note: When taking a photo in direct sunlight or in bright conditions, shadows may display on the photo.

1. From the Home screen, tap **Camera**.

   – or –

   From the **Apps** screen, tap **Camera**.
2. Using the device's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.

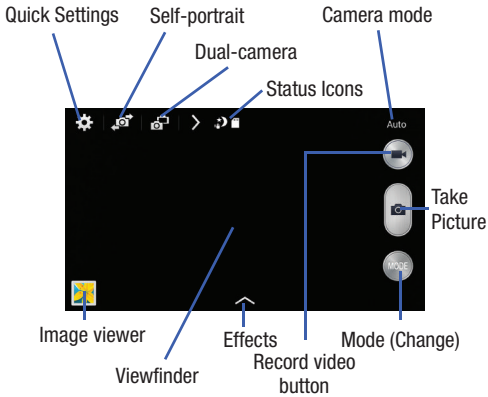
Note: On your initial activation of the camera, firmware configuration can take up to one minute. This is a one time process.

3. Before you take a picture, use the **Up** and **Down** Volume keys to zoom in or out. You can magnify the picture up to x4 (400 percent).

   – or –

   Pinch the screen to zoom out or pinch outwards to zoom in.
4. If desired, before taking the photo, you can tap onscreen icons to access various camera options and settings.
5. You can also tap the screen to move the focus to a desired area of interest.
6. Tap **Take** until the shutter sounds. (The picture is automatically stored within your designated storage location (page 112). If no microSD card is installed, all pictures are stored on the Device.)

Note: Touch and hold to take a burst shot. These are saved using a Fine image quality.



Camera Options

Options are represented by icons across both sides of the screen.

1. From the camera viewfinder, tap the Mode button to change the mode to one of the following:
   - **Auto**: Use this mode to automatically adjust the exposure, color, and brightness settings. This mode allows single image shots or burst shots.
   - **Beauty face**: Use this to take photos with lightened faces for gentler images.
   - **Best photo**: Use this to take multiple photos in a short time, and then choose the best photos among them. Press the Shutter button to take multiple photos. When Gallery opens, tap and hold thumbnails of photos to save, and tap Done.

– **Best face**: Use this to take multiple group shots at the same time and combine them to create the best possible image. Press the Shutter button to take multiple photos. When Gallery opens, tap the yellow frame on each face, and choose the best individual face for the subject. After choosing a pose for each individual, tap Done to merge the images into a single photo, and tap Save.
– **Sound & shot**: Use this mode to enrich pictures by adding background sounds for a few seconds. The background sound is recorded for up to 9 seconds after taking the photo.
– **Drama**: Use this to take a series of photos of a moving object and then merge them together into one image.
– **Animated photo**: Use this to create a picture in which a few selected static objects move by animating objects detected by the device.
– **Golf**: Use this feature to take pictures of a golf swing (center pictures on the golfer — an onscreen guide is provided), and then play the pictures in forward or backward order.

Tip: For best results, take the pictures outdoors. Playback of photos taken indoors may flicker.

– **Rich tone (HDR)**: Use this to take photos with richer colors and contrasts by merging images taken at different exposure levels.
– **Eraser**: Saves the best of five taken pictures and removes any passers by.
– **Panorama**: Use this to take wide panoramic photos. Press the Shutter button to take a photo, and then move the camera in any direction. When the blue frame aligns with the preview screen, the camera automatically takes another shot in the panoramic sequence. To stop shooting, press the Shutter button again.
– **Surround shot**: Use this to take a 360-degree pictures that are then used to create a spherical panorama.
– **Sports**: Use this to take fast action photos.

2. From the top of the camera, the following shortcuts are available for the camera:

Focus area: displays the area of the image used as the main focus area. If the image is too close, the square will turn red.

Self portrait: allows you to set the front camera so you can take pictures of yourself.

Front Camera/Dual Camera: allows you to activate both the front and rear cameras simultaneously.

Quick Settings: activates the Quick Settings menu bar from where you can select several additional settings.

Image viewer: allows you to access the Image viewer and the various viewing options for a selected picture. The last picture you took, displays as a thumbnail in the Image viewer icon.

Effects/Downloads: provides access to pre-installed and downloaded effects. Default effects include: No effect, Cartoon, Faded color, Fisheye, Grayscale, Moody, Oil pastel, Rugged, Sepia, Tint, Turquoise, Vignette, Vintage, and Download.

Camcorder button: shoots a video when pressed.

Camera button: takes a photo when pressed in Camera mode.

Mode button: allows you to select from different camera modes.

Storage location/Connection Status: indicates the device is connected to an adapter and the current storage location for images (Device or Memory card) on the device.

Quick Settings

Tap at the top of the display to quickly change Camera settings. Not all of the following options are available in both still camera and video camera modes. The available options vary by mode.

Camera settings: configure Camera settings.

Flash: activate or deactivate the flash.

Night detection: use this activate/deactivate night detection.

Voice control: activate or deactivate the voice control to take photos.

Recording mode: select a resolution for videos. Choose from: Normal, Limit for MMS, Slow motion, or Fast motion.

Share functions: activate or deactivate the sharing options. Choose from Off, Share Shot, Buddy photo share, ChatON phot share, or Remote viewfinder.

Share shot - Shooting mode: lists the current shooting modes available from with the Share Shot mode. Choose from Easy connect, Wi-Fi Direct, or Cancel.

Quick Settings: hide Quick settings.

Taking Dual Camera Photos

With the Dual Camera feature, you can take a picture with both the front and rear cameras at the same time.

To take a Dual Camera picture:

1. From the camera viewfinder, tap (**Dual Camera**) located at the top left side of the screen. The camera viewfinder displays an image from the front-facing camera within a mini picture frame on top of the main image displayed from the rear-facing camera.
2. Tap (**Camera**) until the shutter sounds.

To resize the front camera image:

- Touch and hold the mini picture frame until the resize handles display, and then drag a corner to enlarge the image.

To reposition the front camera image:

- Touch and hold the mini picture frame to detach it and then place it in a desired location.

Camera and Camcorder Settings

This section describes the different settings that you can configure on your camera. Not all of the following options are available in both still camera and video camera modes. The available options vary by mode.

1. From the viewfinder, tap (**Quick Settings**) ➔ (**Camera Settings**).
2. The follow settings are located under the Camera, Camcorder, and General tabs. The settings that are displayed will depend on what camera mode you are in.

   Camera:

   - **Photo size**: Select a resolution for photos. Use higher resolution for higher quality. Higher resolution photos take up more memory.
   - **Burst shot**: allows several photographs to capture in quick succession by touching and holding the Camera button.
   - **Tap to take pics**: allows you to tap the screen to also take a new picture (vs using the Camera button).

- **Face detection**: allows you to adjust the camera focus based on face detection technology.
- **Metering**: allows you to set how the camera measures or meters the light source: Center-weighted, Matrix, or Spot.
- **ISO**: determines how sensitive the light meter is on your digital camera. Choose from Auto, 100, 200, 400, or 800. Use a lower ISO number to make your camera less sensitive to light, a higher ISO number to take photos with less light, or Auto to let the camera automatically adjust the ISO for each of your shots.
- **Anti-shake**: compensates for camera movement.
- **Auto night detection**: activates or deactivates the night detection feature.
- **Save as**: allows you to assign rich tone usage to an image.

Camcorder:

- **Video size**: Select a resolution for videos. Use higher resolution for higher quality. Higher resolution videos take up more memory.
- **Video stabilization**: Activate or deactivate Optical Image Stabilization.
- **Audio zoom**: when active, allows you to focus your microphone on a zoomed area during video recording.

Settings:

- **Location tag**: attach a GPS location tag to the photo. To improve GPS signals, avoid shooting in locations where the signal may be obstructed, such as between buildings or in low-lying areas, or in poor weather conditions. Your location may display on your photos when you upload them to the Internet.
  To avoid this, deactivate the GPS tag setting.
- **Review pics/videos**: set this option if you want to view each picture after you take it. Select a time value.
- **Volume key**: assigns a function to the volume key. Choose from The zoom key, The camera key, or The record key.
- **Timer**: Use this for delayed-time shots. You can set the timer to Off, 2 sec, 5 sec, or 10 sec.

- **White balance**: Select an appropriate white balance, so images have a true-to-life color range. The settings are designed for specific lighting situations. These settings are similar to the heat range for white-balance exposure in professional cameras.
- **Exposure value**: allows you to adjust the brightness level by moving the slider.
- **Guidelines**: Display viewfinder guides to help composition when selecting subjects.
- **Flash**: activate or deactivate the flash.
- **Voice control**: activates/deactivates voice control feature that allows you to verbally take a photo.
- **Contextual filename**: allows you to have your location added as part of the filename. You must first activate GPS tag described above.
- **Save as flipped**: when set to On, this option allows you to take and save a mirror-image video when using self-recording mode.
- **Storage**: Select the memory location for storage.
- **Shutter sound**: Turn the shutter sound on or off.
- **Reset**: Reset the camera settings.

Pictures and Videos Image Viewer Options

After you take a photo or record a video, you can view it by touching **Image viewer** on the Camera-Camcorder viewfinder screen.

Photo viewing options

While viewing a photo or video, you can access various options.

1. Tap a thumbnail to view the picture.

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

---

2. The following options are available at the top of the screen:
   - **Change player**: allows you to select a different AllShare/Samsung Link device from your available list.
   - **Share via**: allows you to share the picture via ChatON, Group Play, Add to Dropbox, Bluetooth, Email, Evernote - Create Note, Flipboard, Gmail, Google +, Hangouts, Messages, PEN.UP, Picasa, S Note, Scrapbook, Sketchbook for Galaxy, and Wi-Fi Direct.

- **Edit** : (in Landscape mode) allows you to edit the current image. Launches the Photo Editor application.
- **Delete** : allows you to delete the current picture.

3. Press for additional options such as:
   - **Edit**: (in Portrait mode) allows you to edit the current image.
   - **Favorite**: allows you to assign the current image as a favorite.
   - **Slideshow**: allows you to see your photos in a slideshow.
   - **Photo frame**: takes the current image and creates a surrounding photo frame that can be edited with edited text or drawn object, and then saved.
   - **Photo note**: allows you to write notes on your current image and then save it.
   - **Signature**: allows you to edit the current image using the photo editor.
   - **Copy to clipboard**: allows you to copy one or more pictures to a different folder.
   - **Print**: allows you to print the current image on a compatible Samsung printer.
   - **Rename**: allows you to rename the current file.
   - **Buddy photo share**: allows you to share the current image with active ChatON buddies.
   - **Rotate left**: allows you to rotate the view of the current image in a counterclockwise direction.
   - **Rotate right**: allows you to rotate the view of the current image in a clockwise direction.
   - **Crop**: provides an onscreen box that allows you to crop the current picture. Tap **Done** to update the image with the new dimensions or tap **Cancel** to ignore any changes.
   - **Set as**: allows you to assign the current image as a Contact photo, Home screen, Lock screen, or Home and lock screens.
   - **Scan for nearby devices**: scans for nearby DLNA-compliant devices that can receive or display the current image.
   - **Details**: files details such as Title, Time, Width, Height, Orientation, File Size, and Path.

– **Settings**: provides access to the Gallery options menu. Choose from SNS data management (Sync only via Wi-Fi), Tags (Tag buddy or Face tag), and Sound & shot (Auto play sound).

Video viewing options

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

1. Tap a video to select it.
2. Tap ▷ to play the video.
   - **Share via**: allows you to share the video via ChatON, Add to Dropbox, Bluetooth, Email, Evernote - Create Note, Gmail, Google+, Messages, Picasa, S Note. Scrapbook, Wi-Fi Direct, or YouTube.
   - **Trim**: activates the Trim feature so that you can edit the length of the current video.
   - **Delete**: allows you to delete the current video. Choose either **OK** or **Cancel**.
3. Press Menu for additional options.

Using the Camcorder

In addition to taking photos, the camera also doubles as a camcorder that also allows you to record, view, and send high definition videos.

Shooting Video

Tip: When shooting video in direct sunlight or in bright conditions, it is recommended that you provide your subject with sufficient light by having the light source behind you.

Note: The camera may not be able to properly record videos to a memory card with a slow transfer speed.

1. From the **Apps** screen, tap **Camera** to activate the camera mode.
2. Using the camera's main display screen as a viewfinder, adjust the image by aiming the camcorder at the subject.

3. Before you take a video, use the Volume control buttons to zoom in or out. You can magnify the video up to x4 (400 percent).

Note: Use either the Up and Down volume keys or spread/pinch the screen to zoom in or out. For more information, see *"Navigation"* and *"Finger Gestures"* on page 30.

4. Tap (**Video**) to begin shooting video. The red light will blink while recording.
5. Tap anywhere on the screen to re-focus the camera on that object. The camcorder auto-focuses on the new target area.
6. To capture an image from the video while recording, tap (**Take Picture**). This feature is not available while the anti-shake feature is activated.
7. Tap (**Stop**) to stop the recording and save the video file to your Camera folder.

   – or –

   Tap (**Pause**) to pause the recording.
8. Once the file saves, tap the image viewer, and then tap (**Play**) to playback your video for review.
9. Press to return to the viewer.

Accessing Videos

When you shoot a video, the file is saved in the Camera folder. You can view your videos immediately or view them anytime in the Camera folder.

1. From the **Apps** screen, tap **Gallery**.
2. Select a folder location and tap a video icon to begin video playback.
3. Tap (**Play**) to begin video playback.

   – or –

   Touch and hold the video icon from the main Gallery to select the video (indicated by a colored border) and display the following video menu context options:

   - **Share via**: allows you to share the video via ChatON, Add to Dropbox, Bluetooth, Email, Evernote - Create Note, Gmail, Google+, Messages, Picasa, S Note, Scrapbook, Wi-Fi Direct, or YouTube.

- **Delete** : allows you to delete the current video. Choose either OK or Cancel.

– or –

Touch and hold a listed video file to place a check mark alongside and then press for additional options:

- **Slideshow**: allows you to see your files in a slideshow or access the slideshow settings.
- **Copy**: allows you to create a duplicate of the currently selected file.
- **Move**: allows you to move a selected file to a new location.
- **Create video clip**: allows you to edit the current video, apply effects, and create a new video. Create video clips from your pictures. Select pictures from your album, select “create video clip”, choose one of the themes and save.
- **Rename**: allows you to rename the filename of the currently selected video.
- **Details**: displays video file information.

– or –

With the video displayed onscreen (but not playing), press for additional options:

- **Favorite**: tags the current video as a favorite file.
- **Slideshow**: create a new onscreen slideshow.
- **Rename**: allows you to rename the filename of the currently selected video.
- **Details**: displays video file information.
- **Settings**: provide access to the Galley settings page. From this page you can configure the SNS data management and Tag options.

Sharing Pictures

Pictures are the best way of remembering the moment, but an even better treat is to share them with others.

Two new features allow you to either instantly share a series of pictures as they are taken or quickly share a picture without using email or messaging.

- **Share Shot** is a great way to instantly share a series of pictures among a group of users. The best example for this feature is having multiple users instantly sharing each others pictures at a company or family gathering. As each person takes a separate picture with their own device, they are all pooled together and instantly display in each user's Gallery.

  No more "Email your pictures to me later". Each person walks out of the event with all the pictures taken by everyone.

  This method of image transfer requires that both devices have Wi-Fi Direct active and be paired prior to use.

Note: You can only share a shot with other external users who also have their Wi-Fi Direct feature active.

- **S Beam Transfer** uses the NFC (near Field Communication) feature found on your device to transmit large files directly to another compatible device by **direct touch**.

  This method of image transfer requires enabling NFC and S Beam prior to use.

  For more information, refer to *"Using S Beam to Share Pictures"* on page 127.

Enabling Share Shot

Share shot is a Wi-Fi Direct group sharing feature where multiple users can Wi-Fi connect their devices and then all share each others pictures in real-time. This is really useful in group events (ex: family gathering or company party) where you don't want to have to email everyone later and make sure you all can share your pictures at a later date.

For more information, refer to *"Wi-Fi Direct"* on page 172.

The general process is:

- Enable Wi-Fi Direct communication
- Pair your device with other users
- Enable Share shot

Enable Wi-Fi Direct

Important! The target device must already be connected to the same Wi-Fi and have its Wi-Fi Direct feature active and scanning before you can your pairing.

1. From the **Apps** screen, tap **Settings**.
2. From the **Settings** page, under **Wireless and networks**, tap **Wi-Fi**.
3. Touch and slide the **Wi-Fi** slider to the right to turn it On.
4. Tap **Wi-Fi Direct**.
5. Tap **Scan** and select the single device name to begin the connection process to another Wi-Fi Direct compatible device.

   – or –

   Tap **Multi-connect** ➔ **Scan** and select all the device names to begin the connection process to these Wi-Fi Direct compatible devices.

Note: The target device must also have Wi-Fi Direct service active and running before it can be detected by your device.

6. Tap **Done**. The direct connection is then established. Confirm appears in the Status bar.
7. When prompted to complete the connection, the recipient should tap **OK**. Your status field now reads “Connected” and your connected device is listed within the Wi-Fi Direct devices listing.
8. Each partner (including yourself) must then tap **Accept** to consent to the new Wi-Fi Direct pairing.

To enable Share shot on Camera:

1. From the **Apps** screen, tap **Camera** ➔ **Quick Settings** ➔ **Share** ➔ **Share shot**.
2. If you are prompted to activate your Wi-Fi Direct connection, tap **OK** and follow the activation procedures for Wi-Fi Direct.

Configure your Share Shot options

1. Confirm the Share Shot viewfinder is active (appears at the top of the screen).
2. Tap (**Devices for sharing with**) to display list of current share shot participants.
   - Stop sharing images with select participants by tapping their entry and removing the green check mark.
3. Tap (**Shooting modes**) to regain access to the Share menu.
4. Tap → **Off** to disable share shot while maintaining a Wi-Fi Direct connection.

To take share shot images:

1. Tap (**Camera**) until the shutter sounds.
2. From the **Apps** screen, tap **Gallery** to locate your newly shot images located in their default storage location.
   - External users are able to locate their images in either a downloaded or **RECV** (received) folder.
3. Confirm (**Share shot images delivered/received**) appears in the Notifications area of the screen.

Using S Beam to Share Pictures

This feature (when activated via NFC) allows you to beam large files directly to another compatible device that is in direct contact. These files can be larger, such as Videos, HD pictures, and other large files.You can beam images and videos from your gallery, music files from your music player, and more.

1. From the main **Settings** page, tap **Connections** tab.
2. If not already active, touch and slide the **NFC** slider to the right to turn it on.
3. Tap **S Beam** and make sure the feature is turned on.
4. If not already active, touch and slide the **S Beam** slider to the right to turn it on.
5. On the source device (containing the desired image or video), tap **Apps** → **Gallery**.
6. Locate and tap the selected image to open it in the preview window.

Important! Neither device must be in Lock mode or displaying the Lock screen. They must both be active and unlocked. It is recommended that the target device be on the Home screen.

7. Place the two active NFC-enabled devices back to back to begin.

Note: If the **Touch to beam** screen does not display on the source device:
- Pull them apart
- Verify the image is visible in the preview window on the source device (providing the file)
- Place them together again

8. From the **Touch to beam** screen, tap the reduced image preview to begin the transfer. After a few seconds (depending on file size) the recipient with then see the transferred file displayed on their screen.

Share multiple pictures via S Beam

1. On the source device (containing the desired image or video), tap **Apps** ➔ **Gallery**.
2. Locate the selected folder.
3. Touch and hold the first image and place a check mark on it and all desired images.
4. Place the two active NFC-enabled devices back to back to begin.
5. From the **Touch to beam** screen, tap the reduced image preview to begin the transfer.
6. When prompted, separate the two devices.

Camera Gallery Options

The Gallery is where you can access the Gallery of stored camera images.

1. From the **Apps** screen, tap **Gallery**.
2. Select a folder location (ex: **Camera**) and tap an image to open it.

   – or –

   Touch and hold an image to place a check mark alongside the file and select multiple files.

   – or –

   Tap the upper-right camera to begin taking pictures that are placed in this folder.

   – or –
3. Tap the onscreen image to use additional image menu options. For more information, refer to *"Pictures and Videos Image Viewer Options"* on page 120.

Sharing a Gallery Image to a Target Device

Important! Make sure all communicating devices are connected to the same Wi-Fi.

1. Launch Samsung Link on the target device (such as an Internet TV, Samsung Tablet, and more).
2. From the Home screen, tap (**Apps**) ➔ (**Gallery**).

Note: You must be signed in to your Samsung Account before you can use this feature.

3. Open a selected image.
4. Tap (**Stream to connected devices**) and select an available target device to begin streaming.
5. On a target device (ex: Internet TV) select the onscreen **Allow** button to continue.

Note: At this stage your device is requesting access to share media with the external source.

6. Confirm (**Samsung Link enabled**) appears in the Notification area at the top of the device to indicate you are using your device as the media source.

Taking a Screen Shot

Also known as a screen capture, this feature allows you to mimic the print screen function on most computers.

1. From the main **Settings** page, tap **Controls** tab ➔ **Motions and gestures**.
2. Touch and slide the **Palm motion** slider to the right to turn it on.
3. Read the on-screen notification and tap **OK**.

Note: At least one feature must be activated before Palm motion can be activated.

4. Slide a feature's activation slider to the on position.
5. With the current screen showing the desired image, place the side of your palm along the one side of the device and then slowly swipe it in the opposite direction over the screen.

Assigning an Image as a Contact Photo

1. From the Home screen, tap (**Apps**) ➔ (**Gallery**).
2. Select a folder location and tap a file to open it.
3. With the image displayed, press and then tap **Set as** ➔ **Contact photo**.
4. Tap a contact to make a selection.
5. Use the onscreen crop the image by dragging it around or out from its corners.
6. Tap **Done** to store the new image.

Assigning an Image as a Wallpaper

1. From the **Apps** screen, tap **Gallery**.
2. Select a folder location and tap a file to open it.
3. With the image displayed, press and then tap **Set as**.
4. Select one of the these options:
   - **Home screen** assigns the current image to the home screen background. This image is spread across all available screens.
   - **Lock screen** assigns the selected image to the background for the lock screen.
   - **Home and lock screens** assigns the current image to both the Home screen and Lock screens.
5. Touch and drag the crop box anywhere on the picture. Touch and drag the sides of the crop box to zoom in or out to create a cropped area.
6. Tap **Done** to assign the wallpaper image.

   – or –

   Tap **Cancel** to stop without updating the wallpaper image.

Editing a Photo

You can edit your photos using the built-in Photo editor application on your device. The photo editor application provides basic editing functions for pictures that you take on your phone. Along with basic image tuning like brightness, contrast, and color it also provides a wide variety of effects used for editing the picture.

1. From the **Apps** screen, tap **Gallery**.
2. Select a folder location and tap a file to open it.
3. With the image displayed, press and then tap **Edit**.
   - **Edit**: allows you to edit the current image. Launches the Photo Editor application.

Note: To select the picture area, touch and hold the current picture.

4. Select an image area by touching and holding the image and then selecting an available option:
   - **Selection mode**: provides several onscreen selection options such as: Select area, Inverse selection, Selection size, and Selection mode (Select area, Inverse selection, Selection size, and Selection mode).
   - **Select all**: select the entire area of the current image.
   - **Clipboard**: copies the currently selected are to your device's clipboard.
5. Use the following editor controls to edit your picture:

Previous: lets you undo the current operation.

Next: lets you redo the previous operation.

Cancel/Delete: exits the current photo editing session.

Save: stores the currently edited photo.

Rotate: allows you to rotate a photo in all four directions. You can also mirror image a photo.

Crop: allows you to crop (cut-out) an area of a photo.

Color: allows you to Auto adjust color, Brightness, Contrast, Saturation, Adjust RGB, Temperature, Exposure, and Hue of a photo.

Effects: allows you to add various effects to your photo.

Portrait: allows you to apply various face correction effects such as: Red-eye fix, Airbrush face, Face brightness, Out-of-focus, Beauty face, Funny face, or Spot healing.

Sticker: allows you to place various pre-created onscreen stickers atop your current image.

Drawing: allows you to add draw directly on your current picture by using either a brush/pen or eraser.

Frame: places a pre-created border style atop your current image.

6. Press to access the following options:
   - **Save as**: allows you to rename your current image and save it to your gallery.
   - **Select image**: allows you to select a new image for editing.
   - **Take picture**: allows you to activate the camera and take a new image for editing.
   - **Share via**: allows you to share your saved photo via Add to Dropbox, Bluetooth, ChatON, Email, Evernote - Create Note, Flipboard, Gmail, Google+, Group Play, Hangouts, Messages, PEN.UP, Picasa, S Note, Scrapbook, SketchBook for Galaxy, or Wi-Fi Direct.
   - **Set as**: assigns the currently saved image as either a: Contact photo, Home and lock screens, Home screen, or Lock screen.

Clock

Here you can set an Alarm, configure and view the World clock, use a Stopwatch, set a Timer, or use a Desk Clock. The applications display in a tabular format and quickly accessed with the touch of a finger.

- From the **Apps** screen, tap **Clock**.

Setting an Alarm

1. From the **Apps** screen, tap **Clock**.
2. From the **Alarm** tab, tap **Create alarm**.
3. Use the arrow symbols to enter adjust the hour, and minutes, and then tap **AM** or **PM** (toggles depending on which was last selected).
4. Tap the **Alarm repeat** field and touch the number of times you want this alarm to repeat. Selections are: day blocks or **Repeat weekly**. Selected day blocks turn blue when active.
5. Tap the **Alarm type** field and select one of the following: **Melody**, **Vibration**, **Vibration and melody**, or **Briefing**.

6. Tap the **Alarm tone** field and either select an available tone or select **Add** to use locate a sound to use as an alarm ringtone. Tap **OK** to activate the ringtone.
7. Slide the slider bar left or right in the **Alarm volume** field to decrease or increase the alarm volume. A sample of the volume level plays.
8. Move the **Location alarm** slider to the right to activate the feature, and then follow the onscreen instructions to enter a location. When activated, the alarm only sounds when you are at a specific location.
9. Move the **Snooze** slider to the right to activate the feature. Tap the field to assign a **Interval** time (3 minutes, 5 minutes, 10 minutes, 15 minutes, or 30 minutes) and **Repeat** (1 time, 2 times, 3 times, 5 times, or 10 times).
   - **Interval** indicates the length of time the alarm will remain silent between alarm notifications (snooze time).
   - **Repeat** indicates the numbers of snooze sessions that are assigned to this alarm. How many times will the snooze silence the alarm.
10. Move the **Smart alarm** slider to the right to activate this feature which slowly increases screen brightness and the volume of nature tones to simulate dawn breaking.
    Tap the field to assign a interval time (1 minute, 3 minutes, 5 minutes, 10 minutes, 15 minutes, or 30 minutes) and nature tone (Fairy fountain, Birdsong by the lake, Sparkling mist, The secret forest, Serenity, or Gentle spring rain).
    - **Interval** category describes the length of time the alarm will remain silent between alarm notifications (snooze time).
    - **Tone** category provides one of several nature sounds that are used as the alarm tone.
11. Tap the **Name** field and enter a name for this Alarm.
12. Tap **Save** to store the new alarm event.
13. Touch and slide ⊗ to any direction to stop an alarm when it sounds.

Setting the Snooze Feature

- To activate the Snooze feature after an alarm sounds, touch and slide to any direction. Snooze must first be set in the alarm settings.

Deleting an Existing Alarm

1. From within the **Clock** application, touch and hold an onscreen alarm event.
2. Tap **Delete**.

World Clock

This feature allows you to find out what time it is another part of world.

1. From within the **Clock** application, tap the **World clock** tab.
2. Tap **Add city** then scroll and select the desired city, or tap in the search field to locate a city.

To assign DST settings:

1. Locate a desired city from the World clock list.
2. Touch and hold a city and select **DST settings**.
3. Select a DST setting (Automatic, Off, or 1 hour). If Daylight Savings Time is selected, a sun symbol appears next to the World Clock city listing.

Stopwatch

This feature allows you to capture elapsed time while letting the stopwatch keep running.

1. From within the **Clock** application, tap **Stopwatch** tab.
2. Tap **Start** to start the stopwatch counter.
3. Tap **Lap** to begin the lap time counter.
4. Tap **Stop** to stop the counter.
5. Tap **Restart** to restart the lap counter. You can have multiple lap times.
6. Tap **Reset** to reset the counter.

Setting a Timer

1. From within the **Clock** application, tap **Timer** tab.
2. Tap the **Hours**, **Minutes**, or **Seconds** field and use the onscreen keypad to enter the hour, minute, or seconds. The timer plays an alarm at the end of the countdown.
3. Tap **Start** to start the timer.
4. Tap **Stop** to stop the timer or **Reset** to reset the timer and start over.
5. Tap **Restart** to resume the timer counter.

Contacts

The default storage location for saving phone numbers to your Contacts List is your phone's built-in memory.

- From the **Apps** screen, tap **Contacts**.

For more information, refer to *"Contacts"* on page 38.

Email

Email enables you to review and create email using most email services. The device alerts you when you receive an email message.

- From the **Apps** screen, tap **Email**.

For more information, refer to *"Email"* on page 68.

Emergency Alerts

This device is designed to receive wireless emergency alerts from the Commercial Mobile Alerting System (CMAS). If your wireless provider has chosen to participate in CMAS, alerts are available while in the provider's coverage area. If you travel outside your provider's coverage area, wireless emergency alerts may not be available. For more information, please contact your wireless provider.

Emergency Alerts allows customers to receive geographically-targeted messages. Alert messages are provided by the US Department of Homeland Security and will alert customers of imminent threats to their safety within their area. There is no charge for receiving an Emergency Alert message.

There are three types of Emergency Alerts:

- Alerts issued by the President
- Alerts involving imminent threats to safety or life (Extreme and Severe)
- AMBER Alerts (missing child alert)

Note: Presidential alerts cannot be disabled.

Configure Emergency Alert Settings

1. Touch **Emergency Alerts**.
2. Touch **Menu** ➔ **Settings** for these options:
   - **Alert types**: Enable or disable alerts. Presidential alerts cannot be disabled. Tap Emergency alert text messages to receive test alerts.
   - **Emergency alert tone**: Tap to hear a sample emergency alert.
   - **Vibrate**: When enabled, your phone will vibrate for emergency alerts.
   - **Alert reminder**: Choose an interval for your phone to remind you of an emergency alert, or choose Off for no reminders.
   - **Speak alert message**: When enabled, your phone will use text-to-speech to read out emergency alerts.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or caller image, and share as a picture message.

Note: If the phone displays a memory full message when accessing the Gallery, access **Files** and remove some of the media files from the folders, and then open the Gallery.

Opening the Gallery

- From the **Apps** screen, tap **Gallery**. For more information, refer to *"Camera Gallery Options"* on page 129.

Note: If you stored your files in folders (directories) on the storage card, Gallery displays these folders as separate albums. The top left album contains all the pictures in the storage card.

Viewing a Video within the Gallery

1. From the **Apps** screen, tap **Gallery**.
2. Locate your folder and video.
3. Tap (**Play**) to playback your video.

For more information on using the Picture-in-Picture feature for video playback, see *"Using Picture-In-Picture"* on page 153.

MiraCast

This hardware allows you to enjoy what's currently on your device directly on your TV.

Note: There is no need to connect to a Wi-Fi network or to log into your Samsung Account to use this feature. MiraCast establishes a WI-Fi Direct connection between the device and the hub.

Connecting MiraCast

To connect your MiraCast accessory:

Screen Mirroring (with MiraCast accessory)	This feature functions with an external MiraCast accessory to fully mirror what is currently displayed on your device to the external TV.

1. Connect the MiraCast accessory to a power source via the USB Travel Adapter.

Note: The status LED begins to blink solid red to indicate it has begun the start up process.

LED Color/Patterns	Description
Red - Solid	Indicates the MiraCast accessory is booting or processing.
Red - Blinking	Indicates the MiraCast accessory is in standby mode (ready for connection).
Blue - Solid	Indicates the MiraCast accessory is ready to connect with a new device.

2. Connect your TV to the MiraCast accessory via an HDMI cable (A-to-A cable).
3. Change the source input on your TV to match the input port used by the incoming HDMI cable.

Note: The television screen should now display an onscreen tutorial showing you how to configure your device's MiraCast accessory and device settings.

To activate Screen Mirroring on your device:

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Screen Mirroring**.
2. If not already on, tap the **Screen Mirroring** and then move the slider to the right to turn it on. The slider color indicates the activation status.

For more information, refer to *"Wireless and network"* on page 169.

Help

Provides access to built-in Help information.

1. From the **Apps** screen, tap **Help**.
2. Select an onscreen topics for more information:
   - **New features**: provides help on all of the new features and applications such as My Magazine, Air command, Chart Builder, Direct Pen input, Scrapbook, and S Finder.
   - **Basics**: provides basic information on using your device.
   - **Applications**: provides information on how to use basic applications like Contacts, Email, S Note, Internet, Camera, and so on.
   - **Settings**: provides information on settings for Wi-Fi, Bluetooth, Portable Wi-Fi hotspot, Ringtone, Power saving mode, NFC, Screen Mirroring, Voice control.
   - **Online help**: provides more detailed online help for additional questions you may have.

Isis Mobile Wallet

Isis Mobile Wallet uses NFC technology to let you pay for purchases with just a tap of your phone. The Wallet holds credit, debit, and loyalty cards while organizing offers, deals, and promotions. Isis helps you manage your spending by showing you card balances and recent purchases for most of the cards in your Wallet.

Note: Isis Mobile Wallet requires a special SIM card. See your Customer Service representative for more information.

1. Make sure NFC is activated on your phone.
2. Touch **Isis Mobile Wallet**.

Maps

Google Maps allow you to track your current location, view real-time traffic issues, and view detailed destination directions. There is also a search tool included to help you locate places of interest or a specific address. You can view locations on a vector or aerial map, or you can view locations at the street level.

Important! Before using Google Maps you must have an active data (3G/4G/LTE) or Wi-Fi connection. The Maps application does not cover every country or city.

- From the **Apps** screen, tap **Maps**.

Important! For best results, it is recommended that you enable all of your location services. For more information, refer to *"Location"* on page 196.

Enabling a Location source

Before you use Google Maps and find your location or search for places of interest, you must enable a location source. To enable the location source you must enable the wireless network, or enable the GPS satellites.

Important! The more location determining functions are enabled, the more accurate the determination is of your position.

1. From the main **Settings** page, tap **Connections** tab ➔ **Location services**.
2. Tap **Access to my location** to enable sharing your location with requesting applications.
3. Tap **Use GPS satellites** to enable the GPS satellite.
4. Tap **Use wireless networks** to allow apps to use data from sources such as Wi-Fi and mobile networks to provide a better approximation of your current location.
5. Tap **My places** to enable the storage of your favorite locations.

To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Opening Maps

1. From the **Apps** screen, tap **Maps**.
2. Tap the upper-right My location button to find your location on the map with a blinking blue dot.
3. Locate the bottom row of the buttons to access additional options.

Messages

This application allows you to use the Short Message Service (SMS) to send and receive short text messages to and from other mobile phones.

You can also use the Multi Media Service (MMS) to create multimedia messages to send and receive from other mobile phones.

- From the **Apps** screen, tap **Messages**.

For more information, refer to *"Messaging"* on page 63.

Music

The Music Player is an application that can play music files. The music player supports files with extensions AAC, AAC+, eAAC+, MP3, WMA, 3GP, MP4, and M4A. Launching the Music Player allows you to navigate through your music library, play songs, and create playlists (music files bigger than 300 KB are displayed).

Playing Music

1. From the **Apps** screen, tap **Music**.
2. Tap a library category tab to select the music category: **Songs**, **Playlists**, **Albums**, **Artists**, **Music square**, or **Folders**.
3. Scroll through the list and tap an entry to begin playback.

Note: The 5.1 channel sound effect works when earphones or sound is connected through the headset jack only.

4. Use any of the following Music player controls:

Pause the song.

Start the song after pausing.

Press and hold to rewind the song. Tap to go to previous song.

Press and hold to fast-forward the song. Tap to go to next song.

Volume control and SoundAlive.

Volume control showing volume muted.

Plays the entire song list once.

Replays the current list when the list ends.

Repeats the currently playing song.

Shuffles the current list of songs randomly.

Songs play in order and are not shuffled.

Lists the current playlist songs.

Returns the user to the music category screen.

Assign the current song as a Favorite.

Streams the current music file to another device using Samsung Link.

Making a Song a Phone Ringtone

1. From within the **Music** application, tap the **Songs** tab.
2. Touch and hold a song from the list to reveal the onscreen context menu.
3. Tap **Set as** ➔ **Phone ringtone**.
4. Choose a starting point for the ringtone to start playing from. Select either **From the beginning** or **Auto recommendations** (you can allow the application to choose the best part to start from).

Note: Additional Set as options include **Caller ringtone** and **Alarm tone**.

Music Options

The Music settings menu allows you to set preferences for the music player such as whether you want the music to play in the background, sound effects, and how the music menu displays.

- With the application displayed and playing a song, press and select one of the following options:
  - **Via Bluetooth**: scans for devices and pairs with a Bluetooth headset.
  - **Play via Group Play**: allows you to share music with others using the Group Play application. All users must be connected to the same Wi-Fi. For more information, refer to *"Group Play"* on page 82.
  - **Add to playlist**: allows you to add the current music file to a selected playlist.
  - **Set as**: allows you to set the current song as a Phone ringtone, Caller ringtone, or Alarm tone. Additionally you can either choose to start the selected song from the beginning or allow the application to automatically recommend a start point.

- **Scan for nearby devices**: allows you to look for DLNA-compliant devices used to control streaming media.
- **Settings**: allows you to change your music player settings.
- **Details**: allows you to view media info such as Artist, Title, Album, Track length, Genre, Track number, Format, Size, and Location.
- **End**: closes the application.

Music Settings

The settings menu allows you to set preferences for the music player such as whether you want the music to play in the background, sound effects, and how the music menu displays.

1. From within the **Music** application, press → **Settings**.
2. Select one of the following settings:

- **Music menu**: this menu allows you to select which categories you want to display. Choices are: Albums, Artists, Genres, Music square, Folders, Composers, Years, Most played, Recently played, or Recently added. Tap each item that you want to display in the Music menu.
- **SoundAlive**: set a type of equalization such as Normal, Pop, Rock, Jazz, Dance, Classic, and so on.
- **Adapt Sound**: enable or disable the adaptive sound feature to adjust to the sound levels of your current environment.
- **Play speed**: set the play speed anywhere between 0.5X and 2.0X using the slider.
- **Music auto off**: when enabled, sets a timer for the Music application to automatically turn off after a pre-selected amount of time.
- **Lyrics**: when activated, the lyrics of the song are displayed if available.
- **Smart volume**: when activated, automatically adjusts each track's volume to an equal level.
- **Voice control**: when activated, allows you to use voice control commands to control the music player.

Using Playlists

Playlists are used to assign music files into groups for playback. These Playlists can be created using the Music player on this device, or using a third-party application (such as Windows Media Player) and downloading those files to an SD card inserted into the device.

Creating a Playlist

1. From within the **Music** application, tap the **Playlists** tab.
2. Press and then tap **Create playlist**.
3. Backspace over the default playlist title and type a new name for this playlist, and then tap **OK**.

Adding Music to a Playlist

1. From within the **Music** application, tap the **Playlists** tab.
2. Tap the playlist name in which to add music.
3. Tap **Add music**. This option is available within user-created playlists.

Note: If a playlist is empty, add a song by touching a holding a song name from the main screen to open the context menu. Select **Add to playlist** and choose the playlist.

4. Tap a music file, or tap **Select all** to add all the music tracks to this playlist then tap **Done**.

Removing Music from a Playlist

1. From within the **Music** application, tap the **Playlists** tab.
2. Tap the playlist name in which to delete music.
3. Touch and hold a song to reveal the onscreen context menu.
4. Tap **Remove**.

Editing a Playlist

Besides adding and removing music files in a playlist, you can also share, delete, or rename the playlist.

Note: Only those playlist you have created can be edited. Default playlists can not be renamed.

1. From within the **Music** application, tap the **Playlists** tab.
2. Touch and hold a playlist entry to reveal the onscreen context menu.
3. Tap **Edit title**.
4. Enter a new name for this playlist and tap **OK**.

Transferring Music Files

Music files can be downloaded to the phone using one of two methods:

1. Downloaded to the device from the Play Store.
   Music files are directly stored on your phone.
2. Downloaded to the phone over a direct USB connection.
   Music files are stored into a Music folder on the SD card.

Removing Music Files

1. From within the **Music** application, tap the **Songs** tab.
2. Touch and hold a song entry to reveal the onscreen context menu.
3. Tap **Delete** ➔ **OK.** The music file(s) is deleted.

Phone

This application provides the ability to make or answering calls, access the Contacts list, which is used to store contact information.

- From the Home screen, tap **Phone**.

  – or –

  From the **Apps** screen, tap **Phone**.

For more information, see *"Calling"* on page 74 and *"Contacts and Accounts"* on page 37.

Play Store

Formerly known as the "Android Market", this application provides access to downloadable applications and games to install on your phone. The Play Store also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your phone.

Before using the Play Store, you must have a Google Account.

Accessing the Play Store

1. From the **Apps** screen, tap **Play Store**.
2. If not already logged in with your Google account, tap **Next**.
3. Tap **Existing** and enter your Google account information.
4. Tap **Accept** to agree to the Play Store terms of service.

Downloading a New Google Application

To download a new application, you will need to use your Google account to sign in to the Play Store. The home page provides several ways to find applications. The home page features applications and includes a list of item applications by category, a list of games, a link to search, and a link to My apps.

1. From the **Apps** screen, tap **Play Store**.
2. Browse through the categories, find an application you're interested in, and tap the name.
3. Read the application descriptions.

Important! If the selected application requires access to data or control of a function on your device, the Play Store displays the information the application will access.

Tap **OK** if you agree to the conditions of the application. Once you tap **OK** on this screen you are responsible for using this application on the device and the amount of data it uses. Use this feature with caution.

4. Tap **Install** ➔ **ACCEPT**.

Note: Use caution with applications which request access to any personal data, functions, or significant amounts of data usage times.

5. If prompted, follow the onscreen instructions to pay for the application.
6. Check the progress of the current download by opening the Notifications panel. The content download icon appears in the notification area of the Status bar.
7. On the main Play Store screen, press and then tap **My Apps**, tap an installed application in the list, and then tap **Open**.

Note: A data plan is required to use this feature. Charges may apply. Please contact your service provider for further details.

Launching an Installed Google Application

1. From the Home screen, tap **Apps**.
2. Tap the newly installed application. This application is typically located on the last Applications page.

Unknown sources

This feature can be used for Android application development. The feature allows developers to install non-Play Store applications.

- From the main **Settings** page, tap **Security** ➔ **Unknown sources**.

  Unknown sources displays a check mark to indicate it is active.

Note: If Unknown sources is disabled, those applications without a certificate are not allowed to download to your device.

Manage applications

This feature allows you to manage and remove installed applications. You can also view the amount of memory or resources used as well as the remaining memory and resources for each of the applications on your device and clear the data, cache, or defaults.

- From the main **Settings** page, tap **Application manager**.

Clearing application cache and data

1. From the main **Settings** page, tap **General** tab ➔ **Application manager**.
2. Tap an application in which to clear the cache or data.
3. Tap **Force stop**, **Uninstall, Clear data**, **Clear cache**, or **Clear defaults**.

Uninstalling third-party applications

You can uninstall any application you downloaded and installed from the Play Store.

1. From the main **Settings** page, tap **Application manager ➔ Downloaded**.
2. Tap the third-party application, and from the **App info** screen, tap **Uninstall**.

S Note

Use this application to create notes with productivity tools that turn handwriting into typed text and correct drawn shapes, lines, and formulas to make them perfect.

1. From the **Apps** screen, tap **S Note**.
2. Tap **Start** and follow the onscreen instructions.

Settings

This icon navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone.

- From the **Apps** screen, tap **Settings**.

  – or –

  From the Home screen press and then tap **Settings**.

For more information, refer to *"Settings"* on page 169.

Video

The Video player application plays video files stored locally.

Using Video

The Video application plays video files stored on the SD card. This device is able to playback DivX videos.

1. From the **Apps** screen, tap **Video**.
   A list of available videos displays in the Video list.
2. Tap a video file to begin viewing.

Sharing Videos

1. From the **Apps** screen, tap **Video**.
   After a few seconds, each onscreen video begins to cycle through a preview of the first five seconds of the clip.
2. Press and then tap **Share via**.
3. Select either individual videos or tap **Select all**.
4. Press and then tap **Done** to complete the process or **Cancel** to quit.
5. Select a sharing option. Choose from: Add to Dropbox, Bluetooth, ChatON, Email, Evernote - Create Note, Gmail, Google+, Messages, Picasa, S Note, Scrapbook, Wi-Fi Direct, or YouTube.

Additional Video Features

1. From the **Apps** screen, tap **Video**.
2. Press and then tap an available option:
   - **Sort by**: allows you to sort current videos by TItle, Date, Size, or Type.
   - **View as**: allows you to display the onscreen video images as either a List, Thumbnail, or Folders.
   - **Share via**: allows you to share a selected video with external sources.
   - **Delete**: allows you to delete selected videos.
   - **Edit**: allows you to edit a selected video file.
   - **Auto play next**: allows you to play videos consecutively. Once a video ends, the next available video begins to play.
   - **Announcements**: receive notifications and promotions from Samsung Hub.
   - **Settings**: allows you to configure application functions such as: Default storage, Auto update apps, and About services.
   - **Help**: displays an onscreen set of application-related Help topics.

Using Picture-In-Picture

This feature can be used during playback of supported video types using either the Gallery, Play Videos, or Video player.

Note: Some applications might not allow this video to remain active in the foreground (ex: Camera/Camcorder screen).

This feature allows you to continue to view your video as a background operation while you multi-task and do other things, such as surf the Internet, access your Contacts list, look for a picture, and so on.

1. From the Home screen, tap **Apps**.
2. Tap the desired video playback application.
3. Tap the desired video to begin playback.

Note: The Picture-In-Picture feature only works when using the Video player application. Other video players (ex: YouTube), do not support this feature.

4. As playback is initiated, locate and tap **Picture-in-Picture** from the bottom-right of the playback screen. Your current video is then sent to foreground of any new page and most application screens.
5. The video disappears from the screen once it ends.

YouTube

YouTube is a video sharing website on which users can upload and share videos, and view them in MPEG-4 format.

- From the **Apps** screen, tap **YouTube**.

Section 7: Connections

Wi-Fi

Wi-Fi is a wireless networking technology that provides access to local area networks.

Wi-Fi communication requires access to an existing Wi-Fi network. Wi-Fi networks can be Open (unsecured), or Secured (requiring you to provide login credentials).

Your device supports the 802.11 a/b/g/n/ac (2.4 GHz and 5.0 GHz) Wi-Fi protocols.

Configuring Wi-Fi Settings

Configure your device's Wi-Fi settings. For more information, see *"Wi-Fi Settings"* on page 170.

Turning Wi-Fi On or Off

Turn your device's Wi-Fi service on or off. When you turn Wi-Fi service on, your device automatically searches for nearby available Wi-Fi networks.

Tip: When you turn Wi-Fi service on, your device automatically searches for available networks and displays them.

You can also turn Wi-Fi On or Off from Settings.

1. From the Home screen, sweep your finger downward to display Notifications.
2. If Wi-Fi is not already on, touch **Wi-Fi Off** to turn on Wi-Fi.

   – or –

   Touch **Wireless network available** to launch Wi-Fi settings, and then touch **Wi-Fi**

.

Scanning and Connecting to a Wi-Fi Network

When you turn on Wi-Fi, your device searches for available Wi-Fi connections, and then displays them.

1. From the Home screen, sweep your finger downward to display Notifications.
2. If Wi-Fi is not already on, touch **Wi-Fi Off** to turn on Wi-Fi.

   – or –

   Touch **Wireless network available** to launch Wi-Fi settings, and then touch **Wi-Fi**

.
3. When your device completes a scan, touch a Wi-Fi network to connect. If the Wi-Fi network is open, you will be automatically connected. If the Wi-Fi network is secured, enter the password at the prompt to connect.

Adding a Wi-Fi Network Manually

1. From the Home screen, sweep your finger downward to display Notifications.
2. If Wi-Fi is not already on, touch **Wi-Fi Off** to turn on Wi-Fi.

   – or –

   Touch **Wireless network available** to launch Wi-Fi settings, and then touch **Wi-Fi**

.
3. On the pop-up Wi-Fi settings screen, touch **Add Network** (below the scanned networks), and then enter these fields:
   - **Network Name (SSID)**: Enter the name of the Wi-Fi network.
   - **Security**: Select the type of security used by the Wi-Fi network.
   - **Password**: If the network is secured, enter the password.
4. Touch **Connect** to save the settings and connect to the network now, or **Save** to save the network settings for future use.

Wi-Fi Direct

Wi-Fi Direct is a standard that allows devices to connect to each other directly using Wi-Fi, without a Wi-Fi network or hotspot, and without having to set up the connection. This type of connection is commonly called peer-to-peer.

For example, your device can use Wi-Fi Direct to share photos, contacts and other content with other Wi-Fi Direct devices. Many of the apps on your device provide options for sharing over Wi-Fi Direct under **Menu**.

Turning Wi-Fi Direct On or Off

1. From the Home screen, touch **Menu**, and then select **Settings** ➔ **More settings**.
2. Touch **Wi-Fi Direct** OFF ON to turn Wi-Fi Direct On or Off.

Connecting to Wi-Fi Direct Devices

1. First, enable Wi-Fi Direct on your device. From the Home screen, touch **Menu**, and then select **Settings** ➔ **More settings**, and then touch **Wi-Fi Direct** OFF ON.
2. Enable Wi-Fi Direct on the other device(s). Consult the other device's documentation for more information.
3. On your device, touch **Wi-Fi Direct** to scan for the other device(s).
4. In the scanned list, touch a device to connect with it, or touch **Multi-connect** to connect to multiple devices (not all devices support multi-connect).
5. Follow the prompts on both devices to complete the connection.

Mobile Hotspot

Use Mobile Hotspot to share your device's internet connection with a PC or other device through Wi-Fi, using your device as the mobile hotspot.

Note: Mobile Hotspot may require a subscription to Mobile Hotspot/Mobile Broadband Connect service. Contact Verizon Wireless for more information.

Mobile Hotspot consumes battery power and uses data service. While the Mobile Hotspot is active, your device's applications will use the Mobile Hotspot data allowance.

Configuring Mobile Hotspot Settings

Configure your device's Mobile Hotspot settings, including your device's name and password, and set the visibility of your device's Wi-Fi hotspot.

For more information, see *"Configuring Mobile Hotspot"* on page 177.

Turning Mobile Hotspot On or Off

Activate your device's Mobile Hotspot application to allow other devices to use your device's internet connection.

1. From the Home screen, select **Apps** ➔ **Mobile Hotspot**.
2. Touch **Mobile Hotspot** OFF ON to turn the hotspot On or Off.

Tip: By default, your device's mobile hotspot has no security applied, and any device can connect. For more information about configuring your mobile hotspot, see *"Configuring Mobile Hotspot"* on page 177.

Connecting a Device to Mobile Hotspot

Use the other device's Wi-Fi control to connect to your device's Mobile Hotspot.

1. Turn on Mobile Hotspot on your device. For more information, see *"Turning Mobile Hotspot On or Off"* on page 158.
2. Activate Wi-Fi on the device, using the device's Wi-Fi control.
3. Scan for Wi-Fi hotspots, and select your device from the list. To find your device's name, see *"Configuring Mobile Hotspot"* on page 177.
4. At the prompt, enter your device's Mobile Hotspot password. By default, the password is your device's telephone number. For more information, see *"Configuring Mobile Hotspot"* on page 177.

Allowed Device List

Control whether devices connect to your Mobile Hotspot with the Allowed device list. After you add devices to the list, they can scan for your device and connect using your device's mobile hotspot name and password.

Note: Using your device as a mobile hotspot consumes battery power and uses data service. While Mobile Hotspot is active, your device's applications will use the Mobile Hotspot data service. Roaming while using your device as a mobile hotspot will incur extra data charges.

1. From the Home screen, select **Apps** ➔ **Mobile Hotspot**.
2. Touch **Allowed devices**, and then touch the button at the top of the screen to enter the other device's Device name and MAC address.
3. Touch **OK** to add the device to the Allowed devices list.

Bluetooth

Note: For Hearing Aid Compatibility Information, see *"Accessibility"* on page 218.

Bluetooth is a short-range wireless communications technology for exchanging information over a distance of about 30 feet. You don't need to line up the devices to send information with Bluetooth. If the devices are in range, you can exchange information between them, even if they are in different rooms.

Your device can use Bluetooth to share photos, contacts and other content with other Bluetooth devices. Many of the apps on your device provide options for sharing over Bluetooth under **Menu**.

Configuring Bluetooth Settings

Configure your device's Bluetooth settings. For more information, see *"Bluetooth settings"* on page 173.

Note: Bluetooth profiles are specifications for services supported by individual devices. For a list of profiles your device supports, see *"Bluetooth profiles"* on page 172.

Turning Bluetooth On or Off

1. From the Home screen, touch **Menu**, and then select **Settings**.
2. Touch **Bluetooth** OFF ON to turn Bluetooth On or Off.

Tip: You can also turn Bluetooth On or Off on Notifications. From almost any unlocked screen, sweep your finger down from the Status bar to display Notifications.

Pairing with a Bluetooth Device

Search for a Bluetooth device and pair with it, to exchange information between your device and the target device.

After pairing, your device and the target device will recognize each other and exchange information without a passcode or PIN.

Note: When paired, the **Bluetooth paired** icon displays in the Status bar. If you receive a new request for pairing while paired with a Bluetooth headset, a new Bluetooth icon displays at the left of the Status bar and Notifications displays the pairing request.

1. From the Home screen, touch **Menu**, and then select **Settings** ➔ **Bluetooth**.
2. Touch **Bluetooth** OFF ON to turn Bluetooth On.
3. Activate the target device's discoverable mode.
4. Touch **Scan**.
5. From the list of scanned devices, touch the target device, and then follow the prompts to complete the pairing:
   - If the target device requires a PIN, enter a PIN for the target device and touch **OK**. When prompted, enter the PIN on the target device.
   - If the device allows automatic or smart pairing, your device will attempt to pair with the device automatically. Follow the prompts on your device and the target device to complete the pairing.

VPN

You can use your device's VPN (Virtual Private Network) feature to connect to VPNs.

Configuring VPN Settings

Configure your device's VPN settings. For more information, see *"Nearby devices"* on page 180.

Note: You must enable PIN or Password security before setting up a VPN. If you have not yet enabled security, you'll be prompted to do so the first time you launch VPN settings.

Adding a VPN

1. From the Home screen, touch **Menu**, and then select **Settings** → **More settings** → **VPN**.
2. Touch **Add VPN network** to set up a connection to a VPN. Available settings depend on the type of VPN.

Tethering

Use Tethering to share your device's internet connection with a computer that connects to your device using the USB cable, or by Bluetooth.

Touch **Help** under Tethering settings to view information about tethering, and for links to more information.

Note: Mobile Broadband Connect may require a subscription to Mobile Hotspot/Mobile Broadband Connect service. Contact Verizon Wireless for more information. Mobile Hotspot consumes battery power and uses data service. While the Mobile Hotspot is active, your device's applications will use the Mobile Hotspot data allowance.

Mobile Broadband Connect

Use Mobile Broadband Connect to share your device's network connection with a computer that connects to your device using the USB cable.

1. From the Home screen, touch **Menu**, and then select **Settings** ➔ **More settings** ➔ **Tethering**.
2. Connect the other device to yours using the USB cable.
3. Touch **Mobile Broadband connect** to turn tethering On or Off.

Bluetooth tethering

Before starting, pair your computer with your device, and then configure your computer to obtain its network connection using Bluetooth.

1. From the Home screen, touch **Menu**, and then select **Settings** ➔ **More settings** ➔ **Tethering**.
2. Pair the other device to yours using Bluetooth.
3. Touch **Bluetooth tethering** to turn tethering On or Off.

Important! Tethering consumes battery power and increases your data usage. Roaming while using tethering will incur extra data charges.

NFC and Beaming

Use NFC (Near Field Communication) to share information between your device and another NFC device by beaming, typically by touching the devices together back-to-back.

Your device uses NFC for the S Beam feature. NFC must be turned on to use S Beam.

1. From the Home screen, touch **Menu**, and then select **Settings** ➔ **More settings**.
2. Touch **NFC** to turn NFC On or Off.

Note: NFC must be turned on to use S Beam.

S Beam

Share more and share it faster with S Beam. From photos to documents, large video files to maps, you can share almost anything instantly with one touch, simply by placing your devices back-to-back.

S Beam uses your device's NFC (Near Field Communication) feature to send, or "beam", content to other NFC and Wi-Fi Direct devices, by holding the devices close together.

S Beam works in the background. Use the sharing options from your favorite apps to select content to share over S Beam. For example, you can beam pictures or videos from Gallery, or songs from Music player. Just bring the devices together (typically back-to-back), and then tap the screen.

1. From the Home screen, touch **Menu**, and then select **Settings** ➔ **More settings**.
2. Touch **NFC** to turn NFC On. NFC must be turned On to use S Beam.
3. Touch **S Beam**, and then touch

to turn S Beam On or Off.

Note: If you turn on S Beam, NFC is automatically turned On.

Nearby devices

Share files with nearby devices using DLNA (Digital Living Network Alliance) standards, over Wi-Fi.

To share with nearby devices, you must connect to a Wi-Fi network. The devices you wish to share files with must also be connected to the same Wi-Fi network and must support DLNA.

Important! Use care when enabling file sharing for nearby devices. When enabled, other devices can access data on your device.

Turning File sharing On or Off

1. From the Home screen, touch **Menu**, and then select **Settings** ➔ **More settings** ➔ **Nearby Devices** ➔ **Shared contents**.
2. Choose the type of content to share, from **Videos**, **Photos**, or **Music**.

Configuring File Sharing

1. From the Home screen, touch **Menu**, and then select **Settings** ➔ **More settings** ➔ **Nearby Devices**.
2. Under **Advanced**, touch options to control how content is shared from your device:
   - **Device name**: View or modify your device's name.
   - **Shared contents**: Choose the type of content to share, from **Videos, Photos**, or **Music**.
   - **Allowed devices list**: View and manage devices allowed to connect to your device.
   - **Not-allowed devices list**: View and manage devices restricted from connecting to your device.
   - **Download to**: Choose a location to save downloaded content, from USB storage (device memory) or SD card.
   - **Upload from other devices**: Choose how to handle incoming files from other devices, from **Always accept**, **Always ask**, or **Always reject**.

Connecting to a Computer

Connect your device to a computer to transfer data between your device and the computer. Use the USB cable that comes with your device, or use one of the pre-loaded apps on your device to connect wirelessly.

Transferring Data

Connect your device to a computer, using the USB cable, to transfer data as a Media device using MTP (Media Transfer Protocol), or as a Camera using PTP (Photo Transfer Protocol).

1. Attach your device to the computer with a USB data cable. Your device recognizes the connection as the last connection method you used, and displays a connection alert in the Status bar and Notifications.
2. From the Home screen, sweep your finger downward to display Notifications, and then touch the alert.
3. Select a connection method:
   - **Media device (MTP)**: Transfer media files with Windows, or using Android file transfer on a Mac (see www.android.com/filetransfer).
   - **Camera (PTP)**: Transfer photos using camera software, and transfer files to computers that do not support MTP.
4. On your computer, choose a method for accessing your device. Available options depend on the programs installed on your computer.
5. Transfer files to the memory card. When finished, you can disconnect the USB cable.

Memory Card

Your device supports removable microSD™ or microSDHC™ memory cards of up to 64GB capacity, for storage of music, pictures, videos, and other files.

By default, files that you download, or that you create with your device, such as pictures and videos you capture with Camera, are stored to your device's memory. For more storage capacity, you can set the memory card as the primary storage location for apps with the app's options.

For more information about viewing memory usage for the memory card, see *"Storage"* on page 194.

Installing and Removing a Memory Card

For more information about installing and removing a memory card, see *"Memory Card"* on page 10.

Important! To prevent damage to data stored on the memory card, unmount the card before removing it from the device.

Mounting and Unmounting a Memory Card

Mounting a memory card establishes the connection between your device and the card, to prepare for saving files to the memory card. In most cases, the device mounts the card automatically when you install it, and displays the memory card status on Notifications.

Before removing the card, use the Mount/Unmount setting to unmount, it to prevent damage to data stored on the card.

1. From the Home screen, touch **Menu**, and then select **Settings** ➔ **Storage**.
2. Touch **Unmount SD card**, and then follow the prompts.

Formatting a Memory Card

Use the Format SD card setting to remove all data from an installed memory card.

Important! Data cannot be recovered after formatting.

1. From the Home screen, touch **Menu**, and then select **Settings** ➔ **Storage**.
2. Touch **Format SD card**, and then follow the prompts to confirm the deletion of data from the card.

Section 8: Settings

Accessing Settings

From the Home screen

- Touch **Apps** ➔ **Settings**.

  – or –

  Touch **Menu**➔ **Settings**.

From Notifications

- Touch and drag down from the top of the screen to display notifications, and then touch .

Wireless and network

Airplane mode

When airplane mode is enabled, all your device's wireless connections are disabled, and you cannot make or receive calls or messages or connect to networks. While in airplane mode, you can use other features of your device, such as playing music, watching videos, or other applications.

- From the **Settings** screen, touch **Airplane mode** to turn airplane mode On or Off.

Note: Airplane mode can also be controlled from Notifications, and from Device options when you press and hold the **Power/Lock Key**.

Wi-Fi

Set up and manage your device's connections to Wi-Fi networks. Your device supports Wi-Fi a/b/g/n.

For more information about using Wi-Fi, see *"Wi-Fi"* on page 155.

Turning Wi-Fi On or Off

Turn your device's Wi-Fi service on or off. When you turn Wi-Fi service on, your device automatically searches for available Wi-Fi networks.

Tip: You can also turn Wi-Fi On or Off from Notifications.

- From the **Settings** screen, touch **Wi-Fi** to turn Wi-Fi On or Off.

Wi-Fi Settings

Set up and manage wireless access points.

1. From the **Settings** screen, touch **Wi-Fi**. The **Wi-Fi** screen displays.
2. If Wi-Fi is Off, touch **Wi-Fi** to turn Wi-Fi On.

Note: Wi-Fi must be turned on to configure settings

3. Touch settings to configure:
   - **Show Wi-Fi pop-up**: When enabled, your device notifies you of Wi-Fi networks when you launch a high data-usage application.
   - **Add Wi-Fi Network**: Connect to a new Wi-Fi network. For more information, see *"Adding a Wi-Fi Network Manually"* on page 156.
   - **Scan**: Search for available Wi-Fi networks.
   - **Wi-Fi Direct**: Configure a Wi-Fi Direct connection.

Advanced Wi-Fi settings

1. From the **Settings** screen, touch **Wi-Fi**.
2. Touch **Menu** for additional settings:
   - **Advanced:**
     - **Wi-Fi notifications**: When enabled, notifies you when Wi-Fi is available or connected.
     - **Passpoint**: Touch to set Passpoint to On or Off. When set to On, automatically connects to passpoint-enabled Wi-Fi hotspots.
     - **Sort by**: Choose whether to sort the Wi-Fi hotspots in your list by Alphabet or RSSI.
     - **Keep Wi-Fi on during sleep**: Specify when to switch from Wi-Fi to mobile data for data communications, when the device goes to sleep (when the backlight goes out). This setting can affect your data usage, and the behavior of devices you connect to your device, such as when tethering or using Mobile Hotspot.
     - **Always allow scanning**: When enabled, apps such as Google Search can automatically scan for Wi-Fi hotspots even when **Wi-Fi** is set to Off.
     - **Auto network switch**: When enabled, Internet traffic switches automatically between Wi-Fi networks and mobile networks.
     - **Install certificates**: Touch to install Wi-Fi security certificates from a microSD card.
     - **MAC address**: (Not configurable) View your device's MAC address, needed for connecting to some secured networks.
     - **IP address**: (Not configurable) View your device's IP address.
   - **Manage networks**: View and manage your saved Wi-Fi networks. Touch a network to connect to it, or to forget or modify its settings.
   - **WPS push button**: Set up a connection to a WPS (Wi-Fi Protected Setup) router or equipment.
   - **WPS PIN entry**: View the PIN used by your device to set up a PIN-secured connection to a Wi-Fi router.

Wi-Fi Direct

Wi-Fi Direct allows devices to connect to each other directly using Wi-Fi, without a Wi-Fi network or hotspot, and without having to set up the connection. For example, your device can use Wi-Fi Direct to share photos, contacts and other content with other Wi-Fi Direct devices.

For more information, see *"Wi-Fi Direct"* on page 157.

1. From the **Settings** screen, touch **Wi-Fi**.
2. Touch **Wi-Fi Direct** at the bottom of the screen. Your device automatically scans for nearby Wi-Fi Direct devices, or you can touch **Scan** to start scanning.
3. After scanning for devices, select a device, and then follow the prompts to complete the connection.

   – or –

   Touch **Multi-connect** to create a connection to devices that support multi-connect. Touch **Scan** to search for available multi-connect devices, and then select the devices and follow the prompts to complete the connection.

Bluetooth

Your device supports Bluetooth® 4.0.

Bluetooth profiles

Bluetooth profiles are specifications for services supported by individual devices. Profiles improve the ability of different devices to work together. Your device supports these Bluetooth profiles:

- **Headset**: HSP v1.2 profile supports use of compatible Bluetooth headsets for mono voice.
- **Handsfree**: HFP v1.5 profile supports Bluetooth headsets, and may also support other compatible Bluetooth devices with speakerphone capabilities.
- **Serial Port**: SPP profile supports connections as a serial port.
- **Stereo**: A2DP v1.2, AVRCP v1.3, GAVDP 1.0, AVCTP 1.3 and AVDTP 1.2 profiles support delivery of stereo audio to compatible Bluetooth devices.
- **Object Exchange**: OPP v1.0 profile allows sending and receiving of contact name cards (vCard 2.1) and calendar events (vCalendar) between devices. PBAP v1.2 supports exchange of Phone Book Objects.

- **Human Interface Devices**: HID v1.0 profile supports certain interface devices.
- **Personal Area Network**: PAN 1.0 supports exchange of data with other devices.
- **Message Access Profile**: MAP 1.0 allows exchange of SMS messages between devices, such as with an automotive hands-free device.

Note: This device does not support all Bluetooth profiles. For vehicle/accessory compatibility, visit www.verizonwireless.com/bluetoothchart.

Turning Bluetooth On or Off

1. From the **Settings** screen, touch **Bluetooth** to turn Bluetooth On or Off.

Tip: You can also turn Bluetooth On or Off at Notifications.

Bluetooth settings

Pair with other Bluetooth devices, manage your Bluetooth connections, and control your device's visibility to other devices.

Note: Bluetooth must be turned On to access Bluetooth settings.

1. From the **Settings** screen, touch **Bluetooth**.
2. Touch a setting to configure Bluetooth:
   - Touch to turn Bluetooth On or Off.
   - Touch your device's name to control its visibility to other devices' Bluetooth searches. Available when Bluetooth is turned On.
   - Touch a paired device to connect to it, or touch beside the device to change its settings.
   - Touch **Scan** to search for visible Bluetooth devices. After searching, touch a device to pair with it. For more information, see *"Pairing with a Bluetooth Device"* on page 161.

Data usage

Monitor data usage, control your device's connection to mobile data service.

Note: Data usage is measured by your device, and your service provider may account for usage differently, so consider using a conservative limit.

1. From the **Settings** screen, touch **Data usage**.
2. Configure options:
   - **Mobile data:** Enable or disable Mobile data. You can also enable or disable Mobile Data at Notifications.
   - **Limit mobile data usage**: When enabled, your mobile data connection will be disabled when the specified limit is reached. After enabling the setting, drag the red limit line on the graph below to set the data usage limit.
   - **Alert me about data usage**: When enabled, your device will alert you when mobile data usage reaches the warning limit you set. After enabling the setting, drag the orange warning line on the graph below to set the data usage warning limit.

Data usage options

1. From the **Settings** screen, touch **Data usage**.
2. Touch **Menu** to set options:
   - **Data roaming**: Turn data roaming On or Off. When roaming, your device connects to networks outside your home network, depending on your provider's agreements with other providers. Using data while roaming can incur extra charges, depending on your plan. For more information, contact Verizon Wireless.
   - **Restrict background data**: Your device can connect to the network in the background, for synchronization or other services. When enabled, background connections will not occur.
   - **Auto sync data**: When enabled, your device will synchronize with accounts automatically, at any time.
   - **Show Wi-Fi usage**: When turned On, a separate tab displays data usage while connected to Wi-Fi.
   - **Mobile hotspots**: Select Wi-Fi networks that are mobile hotspots. You can restrict apps from using these networks, and you can configure apps to warn you before using these networks for large downloads.
   - **Show units**: Display data amounts in Megabytes and/or Gigabytes.

More Wireless and Network Settings

Default Messaging App

Select the messaging app that your phone is to use by default to receive your incoming messages.

1. From the **Settings** screen, touch **More networks** ➔ **Default messaging app**.
2. Select **Messaging** or **Hangouts.**

Printing

Select a Wi-Fi-connected printer to print files from your phone.

1. From the **Settings** screen, touch **More networks** ➔ **Printing**.
2. Touch the desired print service and follow the prompts.

Mobile networks

Set options for network selection and data service.

Important! Depending on your service plan, changes you make to mobile networks settings may incur extra charges. Consult Verizon Wireless for information.

1. From the **Settings** screen, touch **More settings** ➔ **Mobile networks**.
2. Set these options:
   - **Mobile data**: Enable or disable your device's connection to the mobile data network. You can also control this setting at Notifications with the Mobile data toggle.
   - **Global Data Roaming Access**: Enable or disable connection to data services when your device is roaming on another network.
   - **Roaming**: (Not configurable) Current roaming status.
   - **Signal strength**: (Not configurable) Current signal strength.
   - **Network mode**: Choose a preferred network mode.
   - **Access Point Names**: Configure wireless network access.
   - **Network operators**: Configure network operators.

Mobile Hotspot

Use Mobile Hotspot to share your device's internet connection with other devices, through Wi-Fi. You can connect up to 5 other devices in 3G, or 10 in 4G.

You can control whether devices connect to your Mobile Hotspot with the Allowed device list.

For more information about using your device as a mobile hotspot, see *"Mobile Hotspot"* on page 158. You can also access Mobile Hotspot with the **Mobile Hotspot** app.

Note: Mobile Hotspot may require a subscription to Mobile Hotspot/Mobile Broadband Connect service. For more information, contact Verizon Wireless.

Using your device as a mobile hotspot consumes battery power and uses data service. While Mobile Hotspot is active, your device's applications will use the Mobile Hotspot data service. Roaming while using your device as a mobile hotspot will incur extra data charges.

Turning Mobile Hotspot On or Off

- From the **Settings** screen, touch **More settings** ➔ **Mobile Hotspot** to turn Mobile Hotspot On or Off.

Note: Using your device as a mobile hotspot consumes battery power and uses data service. While Mobile Hotspot is active, your device's applications will use the Mobile Hotspot data service. Roaming while using your device as a mobile hotspot will incur extra data charges.

Configuring Mobile Hotspot

- From the **Settings** screen, touch **More settings** ➔ **Mobile Hotspot** ➔ **Configure** for these options:
  - **Network SSID**: View and change the name of your mobile hotspot.
  - **Hide my device**: When enabled, your mobile hotspot is not visible to other Wi-Fi devices during a scan. Other devices can still connect to your mobile hotspot, but will have to set up the connection manually with your Network SSID and Password.
  - **Security**: Choose the security level for your Mobile Hotspot.
  - **Password**: If you choose a security level that uses a password, enter the password. By default, the password is your mobile telephone number.
  - **Show password**: Enable to make the Password field visible.
  - **Show advanced options**: Enable to access advanced options, including Broadcast channel, to specify the channel your device uses for Mobile Hotspot.

Allowed Devices

Control whether devices connect to your Mobile Hotspot with the Allowed devices list. After you add devices to the list, they can scan for your device and connect using your device's mobile hotspot name and password.

Note: Using your device as a mobile hotspot consumes battery power and uses data service. While Mobile Hotspot is active, your device's applications will use the Mobile Hotspot data service. Roaming while using your device as a mobile hotspot will incur extra data charges.

1. From the **Settings** screen, touch **More settings** ➔ **Mobile Hotspot** ➔ **Allowed devices**.
2. Touch , and then enter the other device's Device name and MAC address.
3. Touch OK to add the device to the **Allowed devices** list.

Tip: For information about connecting to your Mobile Hotspot, see *"Connecting a Device to Mobile Hotspot"* on page 159.

Tethering

Use Tethering to share your device's internet connection with a computer that connects to your device using the USB cable, or by Bluetooth.

For more information about connecting computers to your device for Tethering, see *"Tethering"* on page 162.

1. From the **Settings** screen, touch **More settings** ➔ **Tethering**.
2. Choose a tethering method:
   - **Mobile Broadband Connect**: Connect the computer to the device using the USB cable, and then touch **Mobile Broadband Connect** to turn tethering On or Off.
   - **Bluetooth tethering**: Pair your device with the computer using Bluetooth. Consult the computer's documentation for more information about configuring your computer to pair using Bluetooth. Touch **Bluetooth Tethering** to turn tethering On or Off.

Note: Using Mobile Broadband Connect tethering requires a subscription to Mobile Hotspot/Mobile Broadband Connect service. For more information, contact Verizon Wireless.

VPN

Set up and manage Virtual Private Networks (VPNs). For more information about using VPNs, see *"VPN"* on page 162.

Note: You must enable screen security before setting up a VPN. For information about screen security, see *"Screen lock"* on page 198.

Adding a VPN

- From the **Settings** screen, touch **More settings** ➔ **VPN**.

Note: You must enable a screen unlock pattern PIN, or password before you can use credential storage. For more information, refer to *"Screen lock"* on page 198.

Configure a Basic VPN

1. Touch **Basic VPN** and then touch .
2. Enter the configuration information and then touch **Save**.

Configure an Advanced IPsec VPN

1. Touch **Advanced IPsec VPN** and then tap **Add VPN Connection**.
2. Set a password to protect the private keys and shared secrets.
3. Re-enter the password and then tap **OK**.
4. Enter the IPsec configuration information, and then touch Show advanced options to configure additional options.
5. Touch **Save**.

NFC

Use NFC (Near Field Communication) to share information between your device and another NFC device by touching the devices together, typically back-to-back.

For more information about sharing information with NFC, see *"NFC and Beaming"* on page 164.

- From the **Settings** screen, touch **More settings** ➔ **NFC** to turn NFC On or Off.

Note: NFC must be turned on to use Android Beam or S Beam.

Android Beam

When enabled, beam application content to another NFC-capable device by holding the devices close together. You can beam browser pages, YouTube videos, contacts, and more.

1. From the **Settings** screen, touch **More settings** ➔ **NFC** to turn NFC On or Off.
2. Touch **Android Beam** to turn Android Beam On or Off.

S Beam

S Beam uses your device's NFC (Near Field Communication) to send, or "beam", content to other NFC and Wi-Fi Direct devices, by holding the devices close together.

S Beam works in the background. Use the sharing options from your favorite apps to select content to share using S Beam. For example, you can beam pictures or videos from Gallery, songs from Music player, notes from S Note, and more. Just bring the devices together (typically back-to-back), and then tap your screen.

- From the **Settings** screen, touch **More settings** ➔ **S Beam** to turn S Beam On or Off.

Nearby devices

Share files with devices using DLNA (Digital Living Network Alliance) standards, over Wi-Fi.

To Nearby devices, you must connect to the same Wi-Fi network as the devices you which to share with, and the other devices must support DLNA.

For more information about connecting to Wi-Fi, see *"Wi-Fi"* on page 170.

Important! Use care when enabling file sharing for devices. When enabled, other devices can access data on your device.

- From the **Settings** screen, touch **More settings** ➔ **Nearby devices** to turn Nearby devices On or Off.

Advanced settings

1. From the **Settings** screen, touch **More settings** ➔ **Nearby devices**.
2. Under **Advanced**, touch options to control how content is shared from your device:
   - **Shared contents**: Choose the type of content to share, from **Videos, Photos**, or **Music**.
   - **Allowed devices list**: View and manage devices allowed to connect to your device.
   - **Not-allowed devices list**: View and manage devices restricted from connecting to your device.
   - **Download to**: Choose a location to save downloaded content, from USB storage (device memory) or optional installed SD card (not included).
   - **Upload from other devices**: Choose how to handle incoming files from other devices, from **Always accept**, **Always ask**, or **Always reject**.

Screen Mirroring

With Screen Mirroring, you can wirelessly share your phone's screen with Wi-Fi-enabled TVs using the optional AllShare Cast Hub accessory (not included).

1. From the **Settings** screen, touch **More settings** ➔ **Screen Mirroring**.
2. Touch **Screen Mirroring** to turn the feature On or Off.

Note: For information about connecting to a device, touch **Help**.

Device

Easy mode

Your phone offers two Home screen modes:

- Easy mode (Easy mode On) provides an easier experience for the first-time smartphone user.
- Standard mode (Easy mode Off) provides a conventional layout for apps and widgets on the Home screen.

1. From the **Settings** screen, touch **Easy mode**.
2. Touch **Easy mode** to turn the feature On or Off.

Blocking mode

When Blocking mode is enabled, notifications for selected features will be disabled. You will only receive notifications of incoming calls from people on your allowed list.

1. From the **Settings** screen, touch **Blocking mode** to turn the feature On or Off.
2. Confirm that the Blocking mode active icon appears in the Status bar.

Blocking mode options

1. From the **Settings** screen, touch **Blocking mode**.

The following options are available:

- **Features**:
  - **Block incoming calls**: Touch the check box to enable or disable notifications for all incoming calls.
  - **Turn off notifications**: Touch the check box to enable or disable all notifications.
  - **Turn off alarm and timer**: Touch the check box to enable or disable notifications for all alarms and timers.
  - **Turn off LED indicator**: Touch the check box to enable or disable the LED indicator. For more information, refer to *"Front View"* on page 14.
- **Set time**: Configure a timeframe for these features to be active. Remove the check mark from the **Always** option to configure the From and To time fields.
- **Allowed contacts**: Touch Allowed contacts to assign those contacts that are exempted from these rules. Choose from None, All contacts, Favorites, or Custom. Allowed contacts will then appear in the Allowed contact list.

Hands-free mode

Hands-free mode allows you to select whether your phone announces in plain language incoming calls and messages, alarm information, and/or schedule alarm information from your Calendar. Hands-free mode also allows you to select whether you answer incoming calls by waving your hand over the screen.

1. From the **Settings** screen, touch **Hands-free mode**.
2. Touch **Hands-free mode** to turn the feature On or Off.
3. Touch the following options to create a check mark and enable these text-to-speech readings:
   - Touch **Incoming call** to read out caller information for incoming calls.
   - Touch **Air call-accept** to answer incoming calls by waving your hand over the screen.
   - Touch **Message** to read out sender information for incoming messages.
   - Touch **Alarm** to read out alarm information.
   - Touch **Schedule** to read out Calendar event alarm information.

Call

For information about Call Settings, see *"Call Settings"* on page 56.

Sound

Volume

Set the system volume level, and set default volume for call ringtones, notifications, and media playback.

Note: You can also set System volume from the Home screen by pressing the **Volume Key**.

1. From the **Settings** screen, touch **Sound** ➔ **Volume**.
2. Touch and drag the sliders for:
   - **Music, video, games, and other media**: Set the default volume level for audio playback. You can also adjust volume from this default inside the apps.
   - **Ringtone**: Set the volume for incoming call ringtones.
   - **Notifications**: Set the volume for notifications, such as new messages and event reminders.

- **System**: Set the volume for all other system sounds, such as keytones played for screen touches. You can control whether tones play for screen touches with other sound settings.

3. Touch OK to save your settings.

Vibration intensity

Set the level for vibration to accompany ringtones and notifications.

1. From the **Settings** screen, touch **Sound** ➔ **Vibration intensity**.
2. Touch and drag the sliders for:
   - **Incoming call**: Set the vibration level for incoming call ringtones.
   - **Notification**: Set the vibration level for notifications, such as new messages and event reminders.
   - **Haptic feedback**: Set the vibration level vibrations to accompany screen touches.
3. Touch OK to save your settings.

Ringtones

Choose a ringtone for incoming calls.

1. From the **Settings** screen, touch **Sound** ➔ **Ringtones**.
2. Touch a ringtone to select it. As you touch ringtones, a sample plays, unless you have Mute or Vibrate mode enabled.
3. Touch OK to save your settings.

Tip: You can also set songs as ringtones for all calls, or for a selected contact. For more information, see *"Making a Song a Phone Ringtone"* on page 145.

Vibrations

Choose a vibration pattern to use when vibration is enabled.

1. From the **Settings** screen, touch **Sound** ➔ **Vibrations**.
2. Touch a pattern to select it. As you touch patterns, a sample plays.
3. To create your own pattern, touch **Create**. Touch **Tap to create** in the pattern, and then touch **Stop**. Touch **Save** to save your pattern.
4. Touch OK to save your settings.

Default notification sound

Choose a default sound to play for notifications, such as for new messages and event reminders.

1. From the **Settings** screen, touch **Sound** ➔ **Default notification sound**.
2. Touch a sound to select it. As you touch sounds, a sample plays.
3. Touch OK to save your settings.

Tip: You can also set songs as ringtones. For more information, see *"Making a Song a Phone Ringtone"* on page 145.

Vibrate when ringing

When enabled, vibration is played at the same time as sounds for calls and alerts.

1. From the **Settings** screen, touch **Sound**.
2. Touch **Vibrate when ringing** to enable or disable the feature.

Dialing keypad tones

Keypad tones are sounds that play when you touch keys on the Phone keypad.

1. From the **Settings** screen, touch **Sound**.
2. Touch **Dialing keypad tones** to enable or disable the tones.

Touch sounds

Touch sounds play when you touch items on the screen, such as when making a selection.

1. From the **Settings** screen, touch **Sound**.
2. Touch **Touch sounds** to enable or disable the sounds.

Screen lock sound

Screen lock sound plays when you lock or unlock the screen.

1. From the **Settings** screen, touch **Sound**.
2. Touch **Screen lock sound** to enable or disable the sound.

Haptic feedback

When turned On, the device vibrates to indicate screen touches and other interactions.

1. From the **Settings** screen, touch **Sound**.
2. Touch **Haptic feedback** to turn touch vibrations On or Off.

Emergency tone

You can choose to have a tone play, or have your phone vibrate, periodically during an emergency call.

1. From the **Settings** screen, touch **Sound** ➔ **Emergency tone**.
2. Select **Off**, **Alert**, or **Vibrate**.

Pen attach/detach sound

You can choose which tone plays when you remove the S Pen and re-insert it.

1. From the **Settings** screen, touch **Pen attach/detach sound**.
2. Select **Off**, **Sound1**, **Sound2**, or **Sound3**.

Samsung Applications

Access sound settings for select applications on your phone.

- **Call**: See *"Call Settings"* on page 56.
- **Message**: See *"Message Settings"* on page 65.
- **Email**: See *"Email Settings"* on page 69.
- **Calendar**: see *"Calendar Settings"* on page 111.

Samsung keyboard sounds

You can choose whether the Samsung keyboard plays sounds and vibrations when you touch the keys.

1. From the **Settings** screen, touch **Sound**.
2. Touch **Key-tap sound** to turn touch Key-tap sound On or Off.
3. Touch **Key-tap vibration** to turn touch Key-tap vibration On or Off.

HDMI sound

You can choose to have your phone play stereo or surround sounds over the HDMI output.

1. From the **Settings** screen, touch **Sound** ➔ **Audio output**.
2. Select **Stereo** or **Surround**.

Adapt sound

The Adapt sound feature allows you to customize your call sounds.

1. From the **Settings** screen, touch **Sound** ➔ **Adapt Sound**.
2. Read the instructions and tap **Start**.
3. Follow the onscreen instructions to set up your personal call sound.

Display

Wallpaper

Customize the background of the Home and Lock screens.

1. From the **Settings** screen, touch **Display** ➔ **Wallpaper**.
2. Select a screen, from **Home screen**, **Lock screen**, or **Home and lock screens**.
3. Select a source for wallpaper, from **Gallery**, **Photos** (available for the Home screen only), **Live wallpaper**, **Travel wallpaper**, or **Wallpapers**.
4. Follow the prompts to set the picture or wallpaper.

Note: You can also set Wallpaper by touching and holding on the Home screen.

LED Indicator

The LED indicator on the front of the device displays when the device is locked, to notify you of status changes and events. Use LED indicator settings to configure how the LED functions.

1. From the **Settings** screen, touch **Display** ➔ **LED Indicator**.
2. Select options:
   - **Charging**: When enabled, the LED glows red during charging, and green when the battery is fully charged.
   - **Low battery**: When enabled, the LED blinks red to indicate low battery charge.
   - **Notifications**: When enabled, the LED blinks blue to show that you have missed calls, new messages, or application events while the screen is off.
   - **Voice recording**: When enabled, the LED blinks blue when you record voice while the screen is off.

Notification panel

Notification panel allows you to set the brightness of your notification panel and also select the Quick Setting buttons that you want to display at the top of the notification panel.

1. From the **Settings** screen, touch **Display** ➔ **Notification panel**.
2. Touch **Brightness adjustment** to enable (show) or disable (hide) the brightness adjustment near the top of the Notification panel.
3. Press and hold, and then drag a button to add an Available button to the Notification panel, or to re-order the buttons on the Notification panel.

Multi window

When enabled, Multi window allows you to use multiple apps on the same screen, in multiple, resizable windows.

For more information about Multi window, see *"Multi Window"* on page 23.

1. From the **Settings** screen, touch **Display**.
2. Touch **Multi window** to turn the feature On or Off.
3. Touch **Multi window**, and then touch **Open in multiwindow view** to enable or disable automatic display of My Files, Video, or Email/Messages attachment content in Multi window.

Tip: You can also enable or disable Multi window from Notifications. Sweep your finger down from the top of the screen to display Notifications, and then touch **Multi window**.

Screen mode

Choose a screen mode to match your type of viewing.

1. From the **Settings** screen, touch **Display**.
2. Touch **Screen mode**, and then select a mode.

Reading mode

When turned on, the screen is optimized for reading (only available for applications selected once turned on).

Brightness

Set the default screen brightness.

1. From the **Settings** screen, touch **Display** ➔ **Brightness**.
2. Drag the slider to set the brightness, or touch **Automatic brightness** to allow the device to adjust brightness in response to light conditions.
3. Touch **OK** to save the setting.

Auto-rotate screen

When enabled, the screen's orientation automatically changes when you rotate the device.

1. From the **Settings** screen, touch **Display**.
2. Touch **Auto-rotate screen** to enable or disable the feature.

Tip: You can also control Auto-rotate from Notifications with the Screen rotation setting.

Screen timeout

Set the length of delay between the last key press or screen touch and the automatic screen timeout (dim and lock).

1. From the **Settings** screen, touch **Display** ➔ **Screen timeout**.
2. Touch a setting to select it.

Daydream

Daydream allows you to control what your screen does when your phone is docked or sleeping.

Tip: When turned On, Daydream takes the place of the Desk home screen display setting. For more information, refer to *"Accessory"* on page 217.

1. From the **Settings** screen, touch **Display**.
2. Touch **Daydream** to turn the feature On or Off. The **Select dream time** pop-up displays.
3. Read the **Select dream time** information, and then touch **OK** to turn the feature On.

Note: When you turn **Daydream** On, the **Accessories Desk home screen display** setting is disabled. For more information, refer to *"Accessory"* on page 217.

4. Touch **Daydream** and choose whether to display the default Colors image, your Flipboard page, your Google Photos, a selected photo, or a Photo Table of selected photos.
5. Touch **Start now** to display your choice whether your phone is docked or not.
6. Touch **Select dream time** to choose whether your selected Daydream screen displays While docked, While charging, or at All times.

Smart screen

Customize screen settings so the screen is more responsive and easier to use.

1. From the **Settings** screen, touch **Display** ➔ **Smart screen**.
2. Touch an option to enable the feature:
   - **Smart stay**: disables the screen timeout if your phone detects that your face is watching the screen.
   - **Smart rotation**: disables the auto screen rotation by checking the orientation of your face and the device.
   - **Smart pause**: pauses videos when your device detects that your head has moved away from the screen.
   - **Smart scroll**

: turns the feature On. Using Smart scroll, the screen scrolls when you tilt your head or the device (your choice). You can also choose the scroll speed and whether a Smart scroll icon displays.

Font style

Set the font for screen displays.

1. From the **Settings** screen, touch **Display** ➔ **Font style**.
2. Select a font, or touch **Get fonts online** to browse and download a new font.

Font size

Set the font size for screen displays.

1. From the **Settings** screen, touch **Display** ➔ **Font size**.
2. Select a font size.

Touch key light duration

Set the length of time the Menu and Back Keys remain lit after you touch them.

1. From the **Settings** screen, touch **Display** ➔ **Touch key light duration**.
2. Choose a time period, or **Always off** or **Always on**.

Show battery percentage

When enabled, the battery's charge level displays in the Status bar next to the Battery icon.

1. From the **Settings** screen, touch **Display**.
2. Touch **Show battery percentage** to enable or disable the setting.

Edit after screen capture

When enabled, the edit screen displays after you capture a screen.

1. From the **Settings** screen, touch **Display**.
2. Touch **Edit after screen capture** to enable or disable the setting.

Auto adjust screen tone

When enabled, your device automatically analyzes the screen and adjusts the brightness to conserve battery power.

1. From the **Settings** screen, touch **Display**.
2. Touch **Auto adjust screen tone** to enable or disable the feature.

Auto-adjust touch sensitivity

When enabled, screen sensitivity to touch is increased so that you can control your phone while wearing gloves.

1. From the **Settings** screen, touch **Display**.
2. Touch **Auto-adjust touch sensitivity** to enable or disable the feature.

Storage

Manage the use of memory resources in your device's Device memory, and on an installed memory card.

Note: These settings cannot be configured; however, you can touch Device memory usage categories to manage device and card storage space. For more information, refer to *"Application manager"* on page 195.

1. From the **Settings** screen, touch **Storage**.
2. Under **Device memory**, view memory usage for various categories. Touch a category for more information.
3. Under **SD card**, view Total and Available space.
4. Touch **Unmount SD card** to prepare the memory card for safe removal or formatting. For more information, see *"Removing a Memory Card"* on page 11.
5. Touch **Format SD card** to permanently remove all content from an installed memory card.

Power saving mode

Configure Power saving mode settings to conserve battery power.

1. From the **Settings** screen, touch **Power saving mode**.
2. Touch **Power saving mode** to turn the setting On or Off. The setting must be On to configure options.
3. Touch **Power saving mode** to configure options:
   - **CPU power saving**: When enabled, the device's maximum performance is limited. This does not affect normal usage, such as browsing and video playback.
   - **Screen power saving**: When enabled, the screen uses reduced frame refresh rate and lower brightness.
   - **Turn off Haptic feedback**: When enabled, Haptic feedback is turned off, and no vibration plays when you touch the screen.
   - **Learn about power saving**: View details about Power saving options.

Battery

See what's using battery power.

1. From the **Settings** screen, touch **Battery**.
2. View battery usage for applications and services currently running. Touch an item for more information, or to configure options for managing power use.
3. Touch **Show battery percentage** to enable or disable this feature. For more information, refer to *"Show battery percentage"* on page 193.

Application manager

You can download and install applications from the Google Play™ Store or S Suggest, or create applications using the Android SDK and install them on your device. Use Application manager to manage applications on your device.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

1. From the **Settings** screen, touch **Application manager**.
2. Touch **DOWNLOADED**, **SD CARD**, **RUNNING**, or **ALL** to view the status of applications and services. Touch an app or service for more information, and for app options, such as stopping, moving to card or device storage, or uninstalling.

Default Applications

Select default settings for the Home screen and for messaging.

1. From the **Settings** screen, touch **Default applications**.
2. Configure the following:
   - To select the default Home screen format, touch **Home**. Select **TouchWiz easy home** or **TouchWiz home**.
   - To select the default messaging app, touch **Message**. Select a messaging app, such as **Messaging** or **Hangouts**.

Personal

Location

Location control your device's use of GPS signals. Some apps may require one or more location services be turned On for full app functionality.

GPS signals may be affected by your surroundings, including:

- Buildings
- Tunnels or underground structures
- Weather conditions
- High-voltage or electromagnetic fields
- Tinted windows

Important! Verizon Wireless values your privacy. Because of this, your device is defaulted to only acquire your location when you dial 911. To use Location-Based Services, you must first enable location services on your device.

Access to my location

When set to On, this option sets your location. This allows apps that ask your permission use the location information.

1. From the **Settings** screen, touch **Location**.
2. Touch to turn the setting On or Off. The setting must be On to configure the GPS & Verizon location services and Google Wi-Fi & mobile network location options.
3. Touch any of the following options to activate:
   - **E911**: View only field. You cannot turn off E911 Location on any cell phone. E911 location service is standard on all mobile phones, to allow sharing of your GPS location with emergency personnel when you make a call to emergency services (such as 911).
   - **Mode**
     - **High accuracy**: Uses GPS, Wi-FI, and mobile networks to estimate your location. This option must be enabled to use some applications. By selecting this option, you are enabling Verizon Wireless and third-party authenticated and validated location-enabled services access to certain location information available through this device and/or the network.
     - **Power saving**: Uses Wi-Fi and mobile networks to estimate your location.
     - **GPS only**: Uses GPS to estimate your location.
   - **Recent location requests**: Lists apps and functions that have recently requested your location.
   - **Google Location Reporting**: Touch to access Google location settings (Location Reporting and Location History).
   - Touch **My places**, and then touch **Home**, **Office**, or **Car** so your phone can recognize your location at these locations and provide the information to a variety of location-based services such as Story Album, S Voice, and more.
   - Touch **Camera**, **S Note**, **Scrapbook**, and/or **Voice recorder** to allow the app to use your location data.

Lock screen

Choose settings for unlocking your device.

For more information about using the lock and unlock features, see *"Securing Your Device"* on page 11.

Screen lock

1. From the **Settings** screen, touch **Lock screen**.
2. Touch **Screen lock** for settings:
   - **Swipe**: When enabled, you unlock the device by swiping your finger across the screen. This is the default screen lock, and offers no security, but you can set special lock screen options; see *"Lock screen"* on page 198.
   - **Signature**: When enabled, you unlock the device by signing your name with the S Pen. Touch the option, and then follow the prompts to create or change your screen unlock signature.
   - **Pattern**: When enabled, you draw a pattern, which you create, on the screen to unlock the device. Touch the option, and then follow the prompts to create or change your screen unlock pattern.
   - **PIN**: When enabled, you enter a numeric PIN (Personal Identification Number), which you create, to unlock the device. with PIN screen lock, you can also set the With swipe lock and Lock screen options.
   - **Password**: When enabled, you enter an alphanumeric password, which you create, to unlock the device.
   - **None**: Disable all custom screen lock settings, to use the default swipe unlock screen.

With swipe lock

When you have Face, Face and voice, Pattern, PIN, or Password screen locks enabled, you may choose to have your device prompt you to swipe the screen before attempting to unlock the screen.

1. From the **Settings** screen, touch **Lock screen**.
2. Touch **With swipe lock** to enable or disable the option.

Note: The With swipe lock setting is only available if you have set one of the screen locks listed above.

Lock screen options

You can enable/disable or turn On/Off various Lock screen options.

1. From the **Settings** screen, touch **Lock screen**.
2. The following options are available depending on the Screen Lock type that you select:

   Swipe options:

   - **Multiple widgets**: allows you to display multiple widgets on your lock screen. Appears as an options after a lock mode is enabled.
   - **Clock widget options**: allows you to show the dual clock on the lock screen, adjust the Clock size, and show the date.
   - **Shortcuts**: Touch to turn display of app shortcuts on the lock screen On or Off.
     Touch **Shortcuts** to choose shortcuts to display at the bottom of the Lock screen.
   - **Personal message**: Touch to turn display of personal message text at the top of the lock screen On or Off.
     Touch **Personal message** to Edit personal information.
   - **Owner information**: When enabled, allows you to enter text to display on the Lock screen.
   - **Unlock effect**: sets the effect you receive when unlocking the device. You can select None or Light effect.
   - **Ink effect**: When enabled, an ink effect shows on the lock screen when you touch the screen. If you choose a live wallpaper for the lock screen, the ripple effect is disabled.
   - **Wake up in lock screen**: Touch to turn On or Off unlocking by spoken wake-up command.
     Touch **Wake up in lock screen** to configure wake-up commands, to be used when the Wake up in lock screen option is enabled. You can configure commands to wake up the device, or other popular features.

- **Action Memo on lock screen**: When enabled, allows you to open the Action Memo app when double tapping the lock screen with S Pen.
- **Help text**: Touch to enable or disable display of tips to help you use the lock screen.

Signature-only options:

- **Make signature visible**: When enabled, allows your signature to be visible while you are writing.
- **Accuracy level**: allows you to set how accurate the signature should be. Select High, Medium, or Low.
- **Lock automatically**: allows you to set how soon the screen locks after it turns off.
- **Secured lock time**: locks the screen instantly when the screen times out or the power key is pressed.
- **Lock instantly with power key**: When enabled, allows you to lock the screen by momentarily pressing the Power/Lock key.

Pattern-only options:

- **Make pattern visible**: When enabled, allows your pattern to be visible as you trace it.
- **Lock automatically**: allows you to set how soon the screen locks after it turns off.
- **Lock instantly with power key**: When enabled, allows you to lock the screen by momentarily pressing the Power/Lock key.

PIN-only and Password-only options:

- **Lock automatically**: allows you to set how soon the screen locks after it turns off.
- **Lock instantly with power key**: When enabled, allows you to lock the screen by momentarily pressing the Power/Lock key.
- **Action Memo on lock screen**: When enabled allows you to access the Action Memo by double tapping the lock screen while pressing the pen button.
- **Auto factory reset**: (Password-only) When enabled, automatically performs Factory data reset after the password is entered incorrectly 10 times. For more information, refer to *"Backup and reset"* on page 211.

Security

Encryption

As a security measure, you can encrypt the contents of your device or an optional installed memory card (not included), and require a password each time you turn on the device or access the memory card.

Encryption may take an hour or more to complete. Start with a charged battery, and attach the charger until encryption is complete. Loss of power or other interruption may cause the loss of some or all data.

Encrypt device

As a security measure, you can encrypt the contents of your device and require a password to access the contents each time you turn it on.

1. From the **Settings** screen, touch **Security**.
2. Touch **Encrypt device** to start encryption. Follow the prompts to complete encryption.

Encrypt external SD card

As a security measure, you can encrypt the contents of an optional installed SD card (not included), and require a password each time you access the card.

1. From the **Settings** screen, touch **Security**.
2. Touch **Encrypt external SD card** to start encryption. Follow the prompts to complete encryption.

SIM card lock

As a security measure, you can choose to lock the SIM card, and require a PIN to use the device.

1. From the **Settings** screen, touch **Security**.
2. Touch **Set up SIM card lock** for these settings:
   - **Lock SIM card**: Enable to require a PIN be entered to use the device, and then set the PIN.
   - **Change SIM PIN**: Create a PIN for accessing the SIM card.

Passwords

Make passwords visible

When enabled, password characters display briefly as you enter them.

1. From the Home screen, touch **Apps** ➔ **Settings** ➔ **Security**.
2. Touch **Make passwords visible** to enable or disable brief display of password characters.

Device administration

View or disable device administrators. Some applications, such as Corporate email, may require you allow access to your device by device administrators in certain circumstances, such as if your device is lost or stolen.

Some features a device administrator might control include:

- Setting the number of failed password attempts before the device is restored to factory settings
- Automatically locking the device.
- Restoring factory settings on the device.

Device administrators

View, add or remove device administrators.

1. From the **Settings** screen, touch **Security**.
2. Touch **Device administrators** to enable or disable device administrators Android Device Manager and/or S Voice.

Unknown sources

When enabled, you can install applications from sources other than Google Play®.

1. From the **Settings** screen, touch **Security**.
2. Touch **Unknown sources** to enable or disable the option.

Warning! Enabling this option causes your phone and personal data to be more vulnerable to attack by applications from unknown sources.

Verify apps

This feature allows you to either block or warn you before installing apps that may cause harm to your phone.

1. From the **Settings** screen, touch **Security**.
2. Touch **Verify apps** to enable or disable the option.

Change security level

This option allows you to set the security level for your phone.

1. From the **Settings** screen, touch **Security** ➔ **Change security level**.
2. Select **High** or **Normal** (default).

Security policy updates

When you activate this feature, your phone will automatically check for changes to the security policy and download any updates to improve security and service.

1. From the **Settings** screen, touch **Security**.
2. Touch **Security policy updates** to enable or disable the feature.

Via Wi-Fi only

When you activate this feature, your phone will automatically check for changes to the security policy and download any updates to improve security and service but only when connected to a Wi-Fi network.

1. From the **Settings** screen, touch **Security**.
2. Touch **Via Wi-Fi only** to enable or disable the feature.

Credential storage

Storage type

This option allows you to select where you will back up your credentials.

1. From the **Settings** screen, touch **Security** ➔ **Storage type**.
2. Select the backup storage location for your credentials.

Trusted credentials

You can install credentials from an installed memory card, and use the Credential storage settings to allow applications to access the secure certificates and other credentials.

1. From the **Settings** screen, touch **Security**.
2. Touch **Trusted credentials** to view certificates you have installed.

Install from device storage

Install encrypted certificates from an installed memory card.

Note: Encrypted certificates may only be installed from an optional installed memory card.

1. From the **Settings** screen, touch **Security**.
2. Touch **Install from device storage**, and then choose a certificate and follow the prompts to install.

Clear credentials

Clear stored credentials and reset the password.

Note: This setting is only available if you have installed certificates.

1. From the **Settings** screen, touch **Security**.
2. Touch **Clear credentials**, and then follow the prompts to clear stored credentials and reset the password.

One-handed operation

Configure options to make using your device easier with one hand. When an option is enabled, you can adjust the position of the feature left or right by touching arrows on the screen.

1. From the **Settings** screen, touch **One-handed operation**.
2. Configure options:
   - **Use for all screens**: When enabled, allows you to adjust the scale and position of all available screens by swiping the edge of the current screen.
   - **Keypad and in-call buttons**: When enabled, allows you to adjust the position of the dialing keypad and in-call buttons.
   - **Samsung keyboard**: When enabled, allows you to adjust the position of the Samsung keyboard.
   - **Calculator**: When enabled, allows you to adjust the Calculator's position.
   - **Unlock pattern**: When enabled, allows you to adjust the position of the unlock pattern on the lock screen.

Tip: Touch **Learn about one-handed operation** for help with using this feature.

Language and input

Language

Set the language used by your device's screens.

1. From the **Settings** screen, touch **Language and input** ➔ **Language**.
2. Select a language from the list.

Keyboards and input methods

Configure text entry options to your preferences.

Default

Choose the default method for entering text. From the factory, the default method is Samsung keyboard. If you install other text entry apps, you can set them as default here.

1. From the **Settings** screen, touch **Language and input** ➔ **Default**.
2. Touch an input method.

Samsung keyboard

Configure Samsung keypad settings. When you enable Samsung keyboard in Settings, it is available for text entry when you touch a text field to enter text.

For more information, see *"Using Samsung Keyboard"* on page 34.

1. From the **Settings** screen, touch **Language and input**.
2. **Samsung keyboard** is enabled by default. Touch to configure options:
   - **Input languages**: Select languages for the Samsung keyboard.

Tip: When you have more than one language selected, you can slide your finger on the space bar while entering text to switch languages.

   - **Predictive text**: Touch to enable predictive text, to have predictive text suggest words matching your text entries and optionally, complete common words automatically. Touch **Predictive text** to configure options:
     - **Live word update**: When enabled, predictive text automatically updates with popular new words daily.
     - **Personalized data**: When enabled, predictive text uses personal language data you have entered to make better predictions. Samsung keyboard can collect all the text you enter, including personal data and credit card numbers, in order to give better prediction results.
     - **Learn from Facebook**: Log into Facebook to allow your device to learn from your Facebook postings.
     - **Learn from Gmail**: Log into Gmail to allow your device to learn from your Gmail email.
     - **Learn from Twitter**: Log into Twitter to allow your device to learn from your Twitter postings.
     - **Learn from Messages**: Tap to let predictive text learn from your Messages.
     - **Learn from Contacts**: Tap to let predictive text learn your Contacts style.
     - **Clear remote data**: Delete your information stored on the personalization server.

– **Clear personal data**: Remove all personalized data you have entered.

– **Privacy**: Read the privacy policy.

- **Auto replacement**: When set to On, lets you complete or replace the word you are typing with the most probable word by tapping the space bar or a punctuation mark.
- **Auto capitalization**: When enabled, predictive text automatically capitalizes words in your text based on common usage, such as at the beginning of sentences.
- **Auto spacing**: When enabled, spaces are automatically inserted between words.
- **Auto punctuate**: When enabled, a period and space are automatically entered to end a sentence, when you tap the space bar twice.
- **Swiftkey flow**: When enabled, you can enter text by sliding your finger across the keyboard.
- **Pen detection**: When enabled, a handwriting pad is automatically displayed when your device detects the S Pen.
- **Keyboard swipe**: Choose None (disables Keyboard swipe), SwiftKey Flow (lets you type words by swiping between letters), or Cursor control (lets you move the cursor by sliding your finger across the keyboard).
- **Key-tap feedback**:
  – **Sound**: When enabled, a sound plays for your key touches.
  – **Vibration**: When enabled, a vibration plays for your key touches.
  – **Character preview**: When enabled, characters available on the key you touch display briefly as you enter text.
- **Pen detection**: When enabled, changes to Handwriting recognition mode when you tap an input field with the S Pen.
- **Help**: Learn about using Samsung keyboard.
- **Reset settings**: Return Samsung keyboard settings to the defaults.

Swype

1. From the **Settings** screen, touch **Language and input**.
2. **Swype** is enabled by default. Touch ⚙ to configure:
   - **How to Swype**: Learn about using Swype.
   - **Preferences**: Set Swype options:
     - **Vibrate on keypress**: When enabled, the devices vibrates for your Swype touches.
     - **Sound on keypress**: When enabled, the device plays sounds for your Swype touches.
     - **Show helpful tips**: When enabled, Swype displays helpful information as you Swype.
     - **Auto-spacing**: When enabled, Swype automatically inserts spaces between words as you complete them.
     - **Auto-capitalization**: When enabled, Swype automatically capitalizes the first word of sentences.
     - **Show complete trace**: When enabled, Swype displays the trace of each word until you start the next word.
     - **Pop-up on keypress**: When enabled, characters display above keys as you enter text.
     - **Next word prediction**: When enabled, Swype predicts the next word based on the previous word.
     - **Reset Swype's dictionary**: Delete all the words you've added to the Swype dictionary.
     - **Version**: View information about Swype.
   - **Language options**: Choose the current language for Swype, and download new languages.
   - **Swype Connect**: Enable personalization from your accounts, and choose whether to contribute your usage data to improve predictions.
   - **Personal dictionary**: View and manage words in your Swype dictionary, used for word completion,. suggestion, and spell-checking.
   - **Updates**: Check for updates to Swype, and install them if desired.

Google voice typing

Configure Google voice input settings. When you enable Google voice in Settings, it is available for text entry when you touch a text field to enter text.

For more information, see *"Using Google Voice Typing"* on page 35.

1. From the **Settings** screen, touch **Language and input**.
2. Touch **Google voice typing** to enable it.
3. Touch beside Google voice typing to configure options:
   - **Choose input languages**: Select languages for Google voice typing. Select **Automatic** to use the Default language exclusively, or choose other language(s).
   - **Block offensive words**: When enabled, words many people find offensive are not shown in results of Google voice searches. Offensive words are replaced in results with a placeholder (####).
   - **Download offline speech recognition**: Install additional speech recognition.

Handwriting recognition

Configure the language you wish your phone to recognize when you dictate text.

1. From the **Settings** screen, touch **Language and input** ➔ **Language**.
2. Choose a language for your voice input.

Speech

Voice search

1. From the **Settings** screen, touch **Language and input** ➔ **Voice search**.
2. Set options:
   - **Language**: Choose a language for voice searching.
   - **Speech output**: Choose options for speech output.
   - **Block offensive words**: When enabled, words many people find offensive are not shown in results of Google voice searches. Offensive words are replaced in results with a placeholder (####).
   - **Hotword detection**: When enabled, you can say "Google" to launch voice search.

- **Download offline speech recognition**: Download speech recognition, to enable voice input while offline.
- **Personalized recognition**: Enable to have your device improve recognition based on your speech.
- **Google account dashboard:** View and manage your collected data.
- **Bluetooth headset**: When enabled, allows you to record audio through an optional Bluetooth headset.

Text-to-speech options

Text-to-speech (TTS) provides audible readout of text, for example, the contents of text messages, and the Caller ID for incoming calls.

1. From the **Settings** screen, touch **Language and input** ➔ **Text-to-speech options**. The following option displays:
   - **Preferred TTS engine**
     - **Samsung text-to-speech engine** (this option is not changeable).
2. Touch beside **Samsung text-to-speech engine** to configure options:
   - **Language**: allows you to set the language for spoken text.
   - **Settings for Samsung text-to-speech engine** allows you to view Open Source Licenses.
   - **Install voice data**: allows you to install voice data for speech synthesis.
3. Set options:
   - **General**
     - **Speech rate**: Choose a rate at which text readouts are spoken.
     - **Listen to an example**: Play a sample of speech synthesis.

Mouse/trackpad

Customize the response of your screen swipes.

1. From the **Settings** screen, touch **Language and input** ➔ **Pointer speed**.
2. Touch and drag along the scale to set the pointer speed.

Backup and reset

Set options for backing up your information and resetting your device.

Backup and restore

1. From the **Settings** screen, touch **Back up and reset**.
2. Under **Backup and restore**, configure the following options:
   - **Back up my data**: When enabled, app data, Wi-Fi passwords, and other device settings are backed up to Google servers.
   - **Backup account**: Follow the prompts to sign in to a Google account to use for backing up settings.
   - **Automatic restore**: When enabled, previous app settings and data are automatically updated from the backup when you reinstall the app.

Personal data

- From the **Settings** screen, touch **Back up and reset**.

  Under **Personal data**, the following options are available:

  - **Factory data reset**: Touch **Factory data reset**, and then follow the prompts to return all settings to the defaults, and remove all data from the device.

Important! Settings and data erased in a Factory data reset cannot be recovered. To save your settings, you can use Back up my data settings before a reset.

  - **Reset settings**: Touch **Reset settings** to restore system settings to default values.

Accounts

For information on settings for the various account types supported by your phone, see *"Accounts"* on page 37.

Backup Assistant Plus

Backup Assistant Plus is a free service that protects your contacts by saving to a secure web site. If your phone is lost, stolen or damaged, or if you change phones, Backup Assistant can restore your saved contacts to a new phone, wirelessly. Schedule backups to save your information manually or automatically. Log in to your web account for full access to your contacts for viewing, printing, adding, deleting and editing.

Visit http://verizonwireless.com/baplus, or contact Verizon Wireless for more information.

- From the **Settings** screen, touch **Accounts and sync** ➔ **Backup Assistant Plus**.

Tip: You can also launch Backup Assistant from **Contacts**. From Contacts, touch **Menu** ➔ **Backup**.

Google

Configure options for Google account and privacy settings.

1. From the **Settings** screen, touch **Google**.
2. Configure options:
   - **Accounts**: View Google accounts set up on your device, and configure syncing.
   - **Privacy**: Choose Google features, to configure privacy and account settings.

Add account

Set up an account, to synchronize the account with your device. When an account is set up on your device, you don't have to log in each time you access the account from the device.

1. From the **Settings** screen, touch **Add account**.
2. Select an account, and then follow the prompts to enter your credentials and set up the account on your device.

System

Motions and gestures

Your device recognizes motion, to allow you to navigate and access features by moving the device in specific gestures.

Configure specific motion gestures and settings, to customize your device to your preferences.

For more information about using gestures, see *"Hand Gestures"* on page 30.

1. From the **Settings** screen, touch **Motions and gestures**.
2. Touch to turn each of the following options On or Off.

   Touch each option to configure its features:

   - **Air gesture**: When turned on, allows you to control you phone by moving your hand about the proximity sensor. The following features are available:
     - **Quick glance**: When turned on, allows you to check key information at a glance while the screen is off, by reaching toward the top of your device.
     - **Air jump**: When turned on, allows you to scroll through Email messages in screen-sized jumps.
     - **Air browse**: When turned on, allows you to move between pictures, pages, or music tracks.
     - **Air call-accept**: When turned on, allows you to answer calls.
   - **Air view**: When turned on, allows you to view additional information by hovering your finger or the S Pen over the screen (the choice is yours). The following features are available:
     - **Air view mode**: Choose which object you can hover over the screen to view additional information: Pen, Finger, or Auto.
     - **Air view pen options**: When Air view mode is set to Pen or Auto, allows you to select what additional information will display when you hover your S Pen over items on the screen.
     - **Air view finger options**: When Air view mode is set to Finger or Auto, allows you to select what additional information will display when you hover your S Pen over items on the screen.

- **Air command**: When turned on, allows you to display the Air command menu when you press the S Pen button then hover your S Pen over the screen. (Touch this option for a tutorial.)
- **Motion**: When turned on, allows you to control your phone with natural movements.
  The following features are available:
  - **Direct call**: When enabled, you can lift the device to your ear while viewing a contact to dial the contact's device number.
  - **Smart alert**: When enabled, the device will automatically notify you to missed calls and alerts that occurred while the device was stationary.
  - **Zoom**: When enabled, tilting the device while in Gallery or Internet causes the screen to zoom in or out.
  - **Browse an image**: When enabled, moving the device in a panning motion while viewing an image moves focus around in the image.
  - **Turn over to mute/pause**: When enabled, turning the device screen-down automatically mutes incoming call ringtones and alerts sounds.
- **Palm motion**: When turned on, allows you to control your phone with movements of your palm over the screen.
  The following features are available:
  - **Capture screen**: When turned on, allows you to capture any onscreen information by swiping across the screen. In a single motion, press the side of your hand on the screen and swipe from left to right. The image is then copied to the clipboard.
  - **Mute/pause**: When turned on, allows you to pause any onscreen video or mute any current sound by simply covering the screen with your hand. Once you remove your hand from the screen, the device goes back to normal by either continuing to play the current video or un-muting the current sound.

Voice control

The Voice control settings allow you to set up voice commands to control your device.

Note: If you set the alert type for calls or alarms to vibration, voice control will not be available.

1. From the **Settings** screen, touch **Voice control** to turn this feature On or Off.
2. Touch **Voice control** to access the following options (touch each of them to enable/disable it):
   - **Incoming calls**: When enabled, allows you to answer or reject calls using the voice commands **Answer** and **Reject**.
   - **Alarm**: When enabled, allows you to stop or snooze an alarm by using the voice commands **Stop** and **Snooze**.
   - **Camera**: When enabled, allows you to take pictures using the voice commands **Capture**, **Shoot**, **Smile**, or **Cheese**.
   - **Music**: When enabled, allows you to control your Music app using the voice commands **Next**, **Previous**, **Play**, **Pause**, **Volume up**, and **Volume down**.

S Pen

This menu allows you to customize settings for the S Pen. For more information, refer to *"S Pen"* on page 25.

Turn off pen detection

By default, your device detects when S Pen is detached, and displays the S Pen icon in the Status bar. To save battery power, you can disable this setting.

1. From the **Settings** screen, touch **S Pen**.
2. Under **General**, touch **Turn off pen detection** to enable or disable the setting.

S Pen keeper

When enabled, your device plays a sound and displays an alert if you walk with the device while S Pen is detached.

1. From the **Settings** screen, touch **S Pen**.
2. Under **General**, touch **S Pen keeper** to enable or disable the setting.

Pointer

When turned On, a pointer displays on the screen to show S Pen position.

1. From the **Settings** screen, touch **S Pen**.
2. Under **General**, touch **Pointer** to turn this feature On or Off.

Note: Touch **Pointer** to view a description of the Pointer function.

Direct pen input

When enabled, your device displays the handwriting pad within the text input area when the S Pen is detected.

1. From the **Settings** screen, touch **S Pen**.
2. Under **General**, touch **Direct pen input** to enable or disable the setting.

Pen detachment options

When enabled, your device takes a selected action when you detach the S Pen.

1. From the **Settings** screen, touch **S Pen**.
2. Under **General**, touch **Pen detachment options** to select None (no action), launch the Action Memo app, or launch the Air command menu.

Pen attach/detach sound

Choose a sound to play when you attach or detach the S Pen from your device.

1. From the **Settings** screen, touch **S Pen**.
2. Under **General**, touch **Pen attach/detach sound** to choose Off (no sound), Sound1, Sound2, or Sound3.

Accessory

Configure your device's behavior when it is connected to optional accessories (not included).

1. From the **Settings** screen, touch **Accessory**.
2. Configure the following settings:
   - **Dock**:
     - **Dock sound**: When enabled, a sound plays when you insert and remove the device from the dock.
     - **Audio output mode**: When enabled, audio plays through the dock speakers when the device is docked.
     - **Desk home screen display**: When enabled, displays a special screen when the device is docked.
   - **S View Cover**:
     - **Automatic unlock**: When enabled, opening an optional S View Cover (with Lock screen set to Swipe) automatically unlocks the screen.
     - **S View window color**: Allows you to select the background color that appears in the optional S View protective cover window.
     - **Select info shown cover**: Allows you to select the information that you want displayed when you are using an optional S View protective cover.
   - **HDMI**:
     - **Audio output:** Choose the format the of audio output (Stereo or Surround) when you connect to devices using an optional HDMI cable (not included).

Date and time

By default, your device receives date and time information from the wireless network. When you are outside network coverage, you may want to set date and time information manually using the Date and time settings.

1. From the **Settings** screen, touch **Date and time**.
2. Touch a setting to configure:
   - **Automatic date and time**: When enabled, the device takes date and time updates from the wireless network.
   - **Set date**: Enter the current date (only available when Automatic date and time is disabled).
   - **Set time**: Enter the current time (only available when the Automatic setting is disabled).
   - **Automatic time zone**: When enabled, the device takes the time zone from the wireless network.
   - **Select time zone**: Choose your local time zone (only available when the Automatic setting is disabled).
   - **Use 24-hour format**: Set the format for time displays.
   - **Select date format**: Set the format for date displays.

Accessibility

Your device offers features to make using the device easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

1. From the **Settings** screen.
2. Touch **Accessibility** to configure the following options:
   - **Auto rotate screen**: When enabled, automatically rotates the screen between landscape and portrait layouts when you rotate your phone.
   - **Screen timeout**: allows you to choose the delay time before the screen automatically turns off.
   - **Lock automatically** (available when any screen lock other than swipe is selected): When enabled, locks the screen after a specified amount of time.
   - **Speak passwords**: When enabled, reads out password information.
   - **Answering/ending calls**: accept incoming calls by pressing the home key or end calls using the power key.

- **Easy touch mode**: When enabled, allows you to stop snooze alarms, calendar events, and timers, and to accept/reject incoming calls by simply touching the screen.
- **Show shortcut**: allows you to choose to have the Accessibility and/or TalkBack shortcut(s) display at the top of the Phone options pop-up (launched by pressing and holding the Power/Lock key.)
- **Manage accessibility**: save and update your accessibility settings or share them with another device. You can export your settings, import a previously saved file, or share your file with another device.
- **TalkBack**: turns the TalkBack feature On or Off TalkBack. When installed and turned On, TalkBack speaks feedback to help blind and low-vision users.

Important! TalkBack can collect all of the text you enter, except passwords, including personal data and credit card numbers. It may also log your user interface interactions with the device.

- **Font size**: change the size of the fonts used on the device within menus, options, and so on. Choose from: Tiny, Extra small, Small, Medium, Large, Extra large, or Huge.
- **Magnification gestures**: use exaggerated gestures such as triple-tapping, double pinching, and dragging two fingers across the screen.
- **Negative colors**: When enabled, reverses the display of onscreen colors from White text on a Black background to Black text on a White background.
- **Color adjustment**: allows you to adjust the display colors if you have difficulty reading the display because of the colors. Touch **Color adjustment** to turn this option On or Off. Touch **Color adjustment** and follow the onscreen instructions.
- **Notification reminder**: plays a beep when you have unread notifications. Touch **Notification reminder** to turn this option On or Off.
- **Accessibility shortcut**: allows you to quickly enable accessibility features in two quick steps. Follow the onscreen instructions.

- **Text-to-speech options**: allows you to adjust your text-to-speech settings. For more information, refer to *"Speech"* on page 209.
- **Sound balance**: allows you to use the slider to set the Left and Right balance when using a stereo device.
- **Mono audio**: allows you to enable stereo audio to be compressed into a single mono audio stream for use with a single earbud/earphone.
- **Turn off all sounds**: allows you to mute every sound made by the device during taps, selections, notifications, and so on.
- **Hearing aids**: allows you to improve the sound quality of your device for use with hearing aids.
- **Flash notification**: allows you to set your camera light to blink whenever you receive a notification.
- **Google subtitles (CC)**: Enable Google subtitles (CC) (when available).
- **Samsung subtitles (CC)**: Enable Samsung subtitles (CC) (when available).
- **Assistant menu**: allows you to improve the device accessibility for users with reduced dexterity. Touch **Assistant menu** to turn this option On or Off. Touch **Assistant menu** and follow the onscreen instructions.
- **Touch and hold delay**: allows you to select a time interval for this action. Choose from: Short, Medium, Long, or Custom.
- **Interaction control**: allows you to enable or disable motions and screen timeout. You can also block areas of the screen from touch interaction. Touch **Interaction control** to turn this option On or Off. Follow the onscreen instructions.

About phone

View information about your device, including status, legal information, hardware and software versions, and a tutorial.

1. From the **Settings** screen, touch **About phone**.
2. Touch items to view details:
   - **Software update**: Check availability and install updates.
   - **Icon glossary**: Lists and labels Call, Sound, Connectivity, Network, Email and Messaging, Alarm and Calendar, Battery, and other status icons.
   - **Status**: View information about your device's current status.
   - **Legal information**: Display open source licenses, including your DivX® VOD registration, and Google info.
   - **Device name**: View your device's name. Tap this item to change your device's name.
   - **Model number**: View your device's model number.
   - **Android version**: View the firmware version of your device.
   - **Baseband version**: View the baseband version of your device.
   - **Kernel version**: View the kernel version of your device.
   - **Build number**: View the build number of your device.
   - **Hardware version**: View the hardware version of your device.
   - **Security software version**: View the security software version of your device.

Index

A

Access to My Location 142
Accounts
adding a Google account 37
setting up 37
Action Memo
creating a new memo 80
Adobe PDF 105
Airplane mode 169
Alarm
deleting an existing alarm 135
Setting 133
AllShare Cast Hub
activation on device 140
AllShare Play
see Samsung Link 89, 91
AllShareCast Hub 90
Application cache and data
Clearing 151
Applications 24
Calculator 102
Email 137
Google Maps 141
Internet 84
Messages 143
Using the Camcorder 122
Using the Camera 113
Video 152
Voice Recorder 105
YouTube 154
Apps
installing 75
uninstalling 75

B

Battery
charging 9
cover, removing & installing 6
indicator 8
installing 8
removing 8
Bigger Font
setting 219
Bluetooth
pairing with a device 161
profiles 172
settings 173
turning on or off 160
Burst Shots 114

C

Calculator
scientific functions 102
Calendar
creating an event 110
handwriting mode 110
Settings 111
Call log
creating/updating contacts 55
managing 55
sending messages 55
Calls
answering 53
call-waiting 53

ending 54
from Call log 52
from Contacts 51
from Favorites 52
in-call options 54
recent 54
rejecting 53
sending to voicemail 53
settings 56
silencing a ringer 53
three-way 52
using the Keypad 50
Camcorder 122
Accessing the Video Folder 123
Settings 118
Shooting Video 122
Camera
Camera Options 114
Enabling Share Shot 125
Quick Settings 117
Settings 118
Taking Pictures 113
ChatON
Buddy photo share 121
Clearing
Application cache and data 151
Connecting to Video Devices 167
Connections
Accessing the Internet 84
Contact
Photo 130
Contacts
backing up 46
Backup Assistant 46
creating 38
creating from Call log 39
creating from the Keypad 39
exporting and importing 44
groups 46
joining 44
My Profile 43
namecards 45
speed dials 49
starred contacts 46
updating 40
updating from Call log 41, 55
updating from Keypad 40
Creating a Playlist 147

D

Default Storage
Assigning 112
Camcorder 112
Camera 112
Deregister
Web Storage Service 92
Desk Clock 133
Display
Using Negative Colors 219
Display settings
brightness 190
font style and size 192
screen timeout 190
Downloading
New application 149

Downloads 103
Dropbox 92
Dual Camera 118
Relocate 118
Resize 118
Dual View
see Dual Camera 118

E

Editing a Picture 131
Email
account settings 69
combined Inbox 69
composing and sending 70
configuring accounts 68
refreshing your accounts 69
Entering Text
Google voice typing 35
Samsung keyboard 34
Exercise
Risks 86
Exercising
Before You Start 86

F

Flipboard 81
Font Size
Changing 219

G

Gallery
Folder Options 129
Opening 138
Picture-In-Picture 153
Gear Manager 82
Gmail
composing and sending 71
configuring your account 71
managing your account 71
refreshing your account 71
Google
Gmail 71
Hangouts 73
managing an account 37
setting up an account 37
Settings 77
Google Maps
Enabling a location source 142
Opening a map 142
Google Now 80
Google Settings 77
Group
Joining 83
Group Play 82
Creating a Group 82
Joining a Group 83
Share Music 84, 145
Share Pictures 120
Sharing Pictures 82
Spanning Screens 83
Groups
adding contacts 48
creating 47
sending a message 48

H

HDR 115
Help
In-Device 140
Home screen 33
adding shortcuts 20
adding widgets 21
customizing 20

folders 21
primary shortcuts 20
wallpaper 22

I

Icons
Status Bar 33
Images
Assigning as a Contact icon 130
Assigning as wallpaper 131
Internet 84
IR
Smart Remote 13

M

Market
see Play Store 149
Memory Card
formatting 167, 168
installing 10
removing 11
Menu
context-sensitive 29
Messages
creating and sending 64
email 68
Gmail 71
Hangouts 73
managing 65
settings 65
types 63
Messaging
Google Mail 78
MiraCast
Connecting 139
Set Up Hardware 139
Mobile Hotspot
configuring 177
turning on or off 158
Mobile networks
settings 175
Mobile Web 84
Mono
Audio Setup 220
Multi-Tasking
Watching Videos 153
Music 143
Adding Music 147
Creating a Playlist 147
Editing a Playlist 148
Making a Song a Ringtone 145
Options 145
Playing Music 143
Removing Music 147, 148
Share via Group Play 84
Simultaneoulsy Playback 84
Using Playlists 147
Music App
Music Application 80
Music File Extensions
3GP 143
AAC 143
AAC+ 143
eAAC+ 143
M4A 143
MP3 143
MP4 143
WMA 143
Music Files
Removing 148
Transferring 148
My Places 142
My Profile 43
sending 43

N

Namecards
sending 45
Navigation 29
command keys 20
touch gestures 30
Negative Colors 219
New applications
Downloading 149
Non-Market Applications 150
Notification Panel 32

O

Organizer
Calculator 102
World Clock 135

P

Pairing with Bluetooth 161
Palm Motion
Capture Screen 214
Mute/Pause 214
Phone settings
Date & time 218
language 205
Photo
Editing 131
Photos
Change Player 120
Options 120, 122, 123
Sharing 120, 122, 123
Picture
Color Correction 132
Face Corrections 132
Frame 132
Set As 130
Streaming from Gallery 129
Picture-In-Picture 153
Pictures
Instant Sharing 125
Sharing 125, 127
Pinning
Memo 80
Play Books 78
Play Store 149
Powering On and Off 9

R

Red Eye
Correction 132
Roaming
settings 175

S

S Beam
Sharing Multiple Pictures 128
Sharing Pictures 127
S Note 151
S Translator
Translate Text 87
Translate Using Voice 87
S Voice 88
Using 88
Samsung Hub
Creating a New Account 94
Using 95
Samsung keyboard
configuring 34
entering text 34
Samsung Link
Configuring Settings 91
Definitions 89
Deregister Storage 92
Sharing Media 93
Web Storage Setup 92

Scan for Nearby Devices 146
Scrapbook 97
Screen Capture 214
Taking a Screen Shot 130
Screen Mirroring
Activate on Device 140
On 140
Using MiraCast 139
Security
locking and unlocking 11
Security settings
credential storage 203
Setting an alarm 133
Settings 118, 169
Share Shot 125
Activate 117
Configuring 127
Enabling 126
Stop Sharing 127
Taking Images 127
Share Videos 83
SketchBook for Galaxy 97
SkyDrive 92
Smart Alarm 134
Smart Switch 13
Snooze 135
Repeat 134
Song
Set As 145
Speed Dials
assigning 49
removing or reassigning 49
Split Screens
Group Play 83
Storage
settings 194
SugarSync 92
Synchronization settings
background data 212

T

Text
entering 33
Text settings
default 205
Google voice typing 209
Samsung keyboard 206
Third-Party Applications
Uninstalling 151
Tools
Camera 113
Transferring Large Files 127
Transferring Music Files 148
Turning Your Phone On and Off 9

U

Uninstalling
Third-party applications 151
Unknown Sources 150
USB 3.0 13
Use GPS Satellites 142
Use Wireless Networks 142

V

Video
Picture-In-Picture 153
Sharing Videos 152
Videos
Options 122

Voice Search 80
Voicemail
checking 72
setting up 72
Volume
key 16
VPN
adding 162
settings 180
VZ Protect 109

W

Wallpapers
Assigning from Gallery 121
WatchON 98
Adding a New Room 102
Changing Channels 100
Configure Just For You 101
Customizing Your Remote 98
Initial Configuration 98
Locating Programs 100
Personalize 101
Settings 101
Using 100
Web 84
Widgets 21
Settings 152
Stopwatch 136
Wi-Fi
adding a connection
manually 156
Mobile Hotspot 158
scanning and connecting 156
settings 170
turning on or off 155
Wi-Fi Direct
connecting to devices 157
On 126
turning on or off 157
Wireless Networking
Bluetooth 160
VPN 162
Wi-Fi 155
World Clock
DST Settings 135